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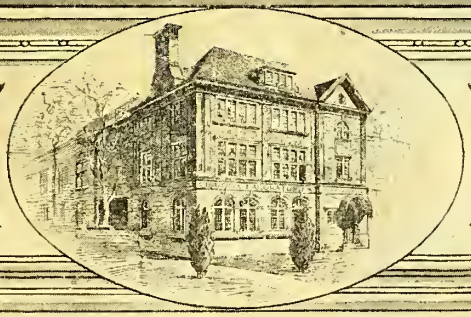

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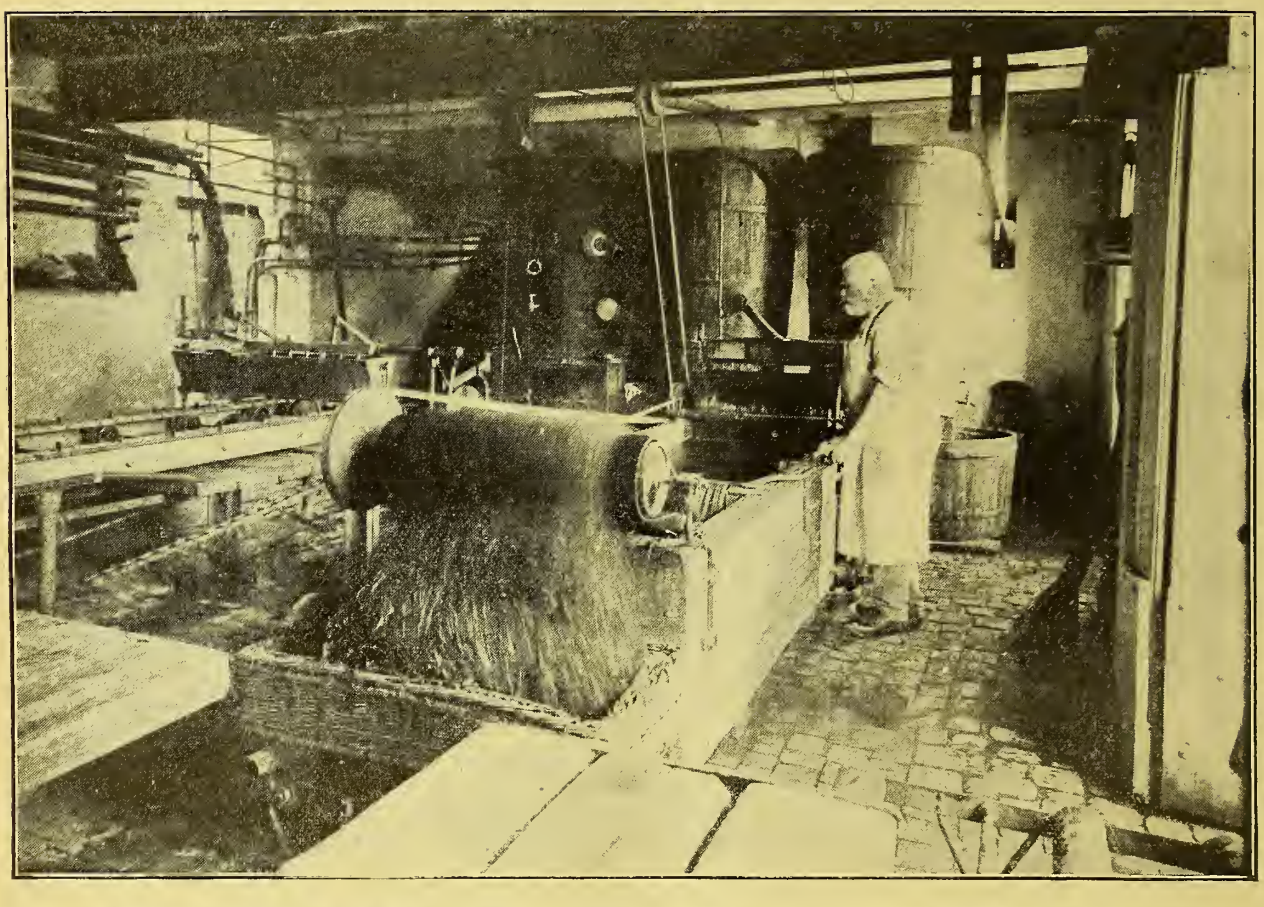

Photograph showing the melted beeswax running into ribbon form, to aid the bleaching process.

"FARRIS'S" GENUINE WHITE BEESWAX

AIR BLEACHED AND GUARANTEED PURE.

PURE ENGLISH REFINED SPERMACETI, Paraffin Wax, Pure Olive Oil, Lubricating Oils, Insulating Fluid and Wax. Special Refiner of Oils for the fine Clockwork of Telegraphic Instruments. Oil Refiner to H.M. Government.

"FARRISOL" PARAFFINUM LIQUIDUM. B P
—ENGLISH MADE—
FROM PURE RUSSIAN OILS

ABSOLUTELY ODOURLESS AND TASTELESS.
RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES.
Guaranteed to exactly conform to B.P. tests.

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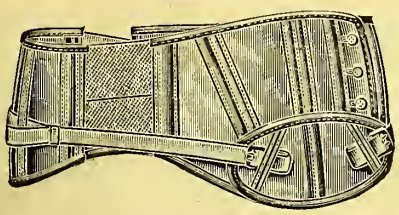
Telephones: LONDON WALL, 9397 and 9398. Telegrams: "WAXINESS, LED, LONDON."



A Cheap ABDOMINAL BELT

This grey coutille belt is fitted with stout thread elastic sides and fulcrum band. An important and attractive feature is that it is lined with natural flannel. The belt buttons on the left side. Every part is representative of sound workmanship. Each in box.

5/- EACH.

Maw's Page

S MAW SON & SONS
(GPO BOX No 54)
7-12, ALDERSGATE ST
LONDON, E.C.

No. 238 MAY 6, 1916

HAVE YOU SEEN OUR NEW SEASON'S ILLUSTRATED LIST OF SPONGE BAGS, WRAPS, HOLDALLS & BATHING CAPS ?

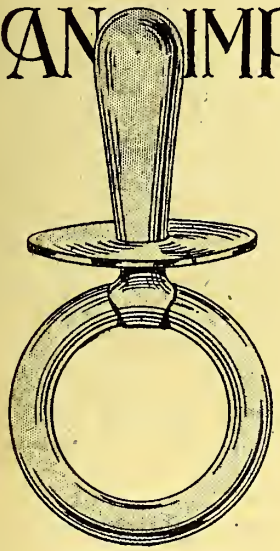
COPY SENT ON REQUEST.

'PAREX' (REGD.) TOOTH POWDER

One of the finest of dental preparations. Perfect antiseptic and cleansing properties.

8/6 DOZEN WITH BONUS

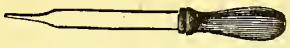
AN IMPROVED SOOTHER



This all-rubber pure gum pneumatic soother marks a distinct advance in "comforters." No parts to scratch the baby's face. Soft and pliable throughout. Supplied from stock on cards of 1 dozen.

TRANSPARENT.
No. 102. As illustrated, 3/3 dozen.
No. 183. Larger shield and teat, 4/- dozen.

The two varieties here quoted prove what we can supply in the way of war-time value.



EYE DROPPERS.

1512/5. Clear Glass Tubes, fitted with white rubber teats. **10/- GROSS.**

The Hundredth Part

Recently we were privileged to view the intricacies of shell-making. In this munitions works, where rows upon rows of uniformed girls sat shoulder to shoulder, we watched the pieces being deftly put together. A section once started, passed from hand to hand, each worker adding a screw or metal cap, or whatever portion was allocated to her.

. . . .

The most impressive thing about this industry was the importance of the gauge. Every third or fourth girl was testing each piece as it reached her, with remarkable quickness and precision.

The slightest flaw or deviation from the standard measurements and the particular shell case was rejected. Here was a demonstration of the science of warfare. Everything is planned with exactitude; all depends upon absolute accuracy. The hundredth part of an inch conveys little to the lay mind; it means all the difference between success or failure in the firing line.

. . . .

Accuracy in business, as in war, is an important factor. Attention to detail is as vital in the commercial campaign as in the modern conduct of armed hostilities. An order received by us may pass from hand to hand, entered here, signed for there, stamped, initialed, and so on. The slightest error would throw the whole system out of joint. It would hinder the execution of the order and even delay others until it has been rectified.

Our only gauge is efficiency.

Our staff is trained to deal with orders as expeditiously as the handicap of war conditions permit. Postal and railway disorganisation serve to encourage us to fresh efforts.

We have evolved our business system to meet your requirements promptly and correctly. We work to the "hundredth part of an inch" service gauge.

Capsule

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A New Line
All Chemists should stock

is the "GUMMASSEUR" invented by the Obesity Specialist, Mr. A. Vernon-Ward. The "Gummasseur" is being extensively advertised in the Press as an instrument for Gum Massage, and the prevention and cure of Pyorrhoea.

The
GUMMASSEUR
for Massaging the Gums

The "Gummasseur" has met with the approval of the highest medical & dental authorities. A well-known Practitioner (L.R.C.P., L.R.C.S., Ed., L.F.P.S., Glas.), says: "Your excellent device will prove a great boon. By increasing the blood circulation of the gums it will prevent the accumulation of tartar, so disastrous to the teeth and gums alike. It will also prevent the dread Pyorrhoea, and last, but by no means least, it will keep the mouth in a healthy condition, thus enabling people to enjoy a better state of health." The antiseptic "Germicoids" used with the "GUMMASSEUR" will send customers to you again and again. And the literature sent out with the instrument will, by inducing people to pay greater attention to their teeth and those of their children, also help to extend your sale of dentifrices, etc.

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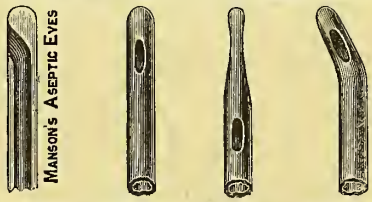
A. MILLAR & CO., LTD., DUBLIN
PURE ORANGE WINE

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C



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Manufacturer of CATHETERS and BOUGIES, DRUGGISTS' SUNDRIES, SURGICAL RUBBER GOODS and DRESSINGS.

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GOLD-FILLED, STEEL & NICKEL

IN

ALL QUALITIES & STYLES and the best finish.

Supplied by return mail on receipt of order.

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Anti-Gun Deafness Device.

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SMALL SOUNDS HEARD CLEARLY FROM USUAL DISTANCES.
Employed in every branch of the three Services, and in the Royal Aircraft and other Factories.
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Write for ***REVISED TRADE TERMS*** *to*

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Solid Fuel. No Spirit. No Danger. Always Ready

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Attractive Window Matter

British Owned & Made.

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ROBERT BLACKIE,
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It will cost you 26*s*. per gross less 5% on 2 gross tablets and 2½% cash, showing you a clear profit of 33⅓% on return.

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The Government prohibition of the import of soaps will specially affect the much-advertised foreign medicated and curative soaps, for which a considerable demand has been created.

This gives to Pharmacists the opportunity for pushing the sales of the British-made "KURA" Soap. It is already a popular line—on merit alone.

Our name is ample guarantee both to the Pharmacist and the public of its undoubted merit. It is a profitable line also, for if bought on best terms and sold at full retail prices, it yields a profit of 88 per cent. on cost.

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SEE THAT YOU ARE WELL STOCKED

FULL RETAIL PRICE **7d.** per tablet. (P.A.T.A. **6½d.**)..... NET WHOLESALE PER DOZ. **3/11**
BOX OF 3 TABLETS **1/9** (P.A.T.A. **1/7½**)..... PER DOZ. BOXES **11/9**

5 per cent. discount on 30/- orders, and carriage paid.

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A powerful antiseptic and deodorant.

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The greatest of all floral air-purifiers.

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "PETAL DUST" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

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Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

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THE BEST TONIC FOR
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CAPSULES
MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.
It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.
SOLD BY ALL DRUGGISTS.

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DROPS
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A harmless antiseptic
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With the Enchanting Perfume of OLD JAPAN.

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SPECIALITY HIGH GRADE WAX

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Selling Splendidly!

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Confined to Pharmacists!

SMALL SIZE: 1 doz. 3/-; 3 doz. 2/9; 6 doz. 2/6; 1 grs. lots 27/-. LARGE SIZE: 1 doz. 4/-: 3 doz. 3/9; 6 doz. 3/6; 1 grs. lots 39/-.

☛ *The Institute of Hygiene have granted their Certificate of Merit for this article; also for the*

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IN DECORATED SPRINKLER TINS:

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On the P.A.T.A. at 7½d.

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☛ Owing to the increased cost of ingredients and the enormous rise in tin boxes we have been obliged to slightly alter the price of these articles, and in the case of the Baby Powder have increased the P.A.T.A. price by 1½d. to 7½d.

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SHIRLEY BROTHERS, LTD.
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Eau de Cologne

WICKERED BOTTLES.

Packed in neat original pattern wooden boxes of various sizes, containing either one or three bottles.

Especially suitable for Dispatch.

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Price Lists on application.

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It PAYS handsomely

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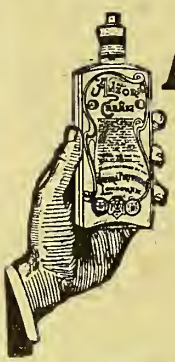

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SELF-FIXING — AIR-TIGHT.

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the new cure for RINGWORM MANGE & all kinds of Parasitical Diseases.

Special Quantities. Special Quotations.

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Manufacturing Chemists

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Are reluctantly compelled to advance the prices of the following preparations, but, as the protected retail prices are also increased, the Trader's profit is still large.

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*LOSALL'S SALT (well advertised), tins	7½d.	5/-
* " " " " "	1/2	10/-
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Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema 1/6 12/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

HONEY! HONEY!

"JOYBELLS" HONEY.
The choicest and most delicious honey procurable. Screw-top Glass Jars, 9s. 9d. and 5s. 9d. per doz.
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The Institute of Hygiene state; "We are satisfied that 'Joybells' Honey is a genuine product, possesses the distinctive flavour imparted to bee honey, and is a most pleasant and wholesome article for general table use."

"SUMMERLAND" HONEY.
Equals that usually sold as Finest Clover Honey. Screw-top Glass Jars, 8s. 9d. and 5s. 6d. per doz. In Bulk, 7½d. per lb.

"SWEET FLOWER BELL" HONEY.
Fine Quality. Clean Flavour. Tie-Over Red Earthenware Pots, 7s. 9d. and 4s. 9d. per doz. In Bulk, 6½d. per lb.

BEESWAX. Choice quality, 1s. 8d. per lb.; 1-oz. Moulds, 1s. 6d. per doz.

Carriage paid anywhere in England on orders of £2 value. Samples 3d.

STANDARD HEALTH FOOD COMPANY
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Honey Specialists. READING, BERKS.

PRICES PROTECTED.

Dr. Allinson's Food Preparations.

Food for Babies, Prepared Barley, Brunak, Power, N.-F. Cocoa, Biscuits, Soup, Wholemeal, &c.

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Handbills, Booklets, Showcards, &c., Free.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

Solidified Spirit Pocket Stove for the "Pals" at the Front!

Hot water and food quickly and easily prepared by using "THE PALS" COOKER! Superior quality. Clean and powerful. A new design. Compact and handy. A welcome gift.

Far away the BEST STOVE Made.

"The composition of this solid spirit is a new and exclusive preparation."

COMPLETE STOVE RETAILS at 1/- EACH.
REFILLS RETAIL AT 1/- and 2/- PER TIN.

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BY ROYAL WARRANT TO H.M. THE KING.

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"UNEXCELLED" MEDICATED PREPARATIONS

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"Aquaperia" is an excellent and efficient Aperient Water to supplant Foreign Mineral Waters of similar character.

Standardised and bottled by CAMWAL, Ltd., at their Spring at **HARROGATE** in handsomely got-up 32—35 oz. bottles (supplied also through any other Camwal Factory).

"AQUAPERIA"

A Harrogate Aperient Water

offers a

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Bottles included in the above prices, and allowed for at 1/- per dozen if returned Carriage Paid to any of our Factories. Cases charged, and allowed for on return.

OPENING ORDER FOR ONE DOZEN Carriage Paid anywhere in England and Wales. PRICE **7/-**

Terms: Cash with Order.

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Special F.O.B. Quotations including Bottles, packing and unreturnable Cases.

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are invited to apply at once for special Physicians' Sample Bottles of Kutnow's Powder, for the use of the sick and wounded both at the front and at home. All applications will be dealt with promptly and supplies forwarded immediately, carriage paid. Applications to be made by letter, and should be marked

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Please send me Showcards and Counter Bills, carriage paid.

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ADDRESS .....

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"Chemist & Druggist," May 6, 1916.

Fill in, cut out, and post in open envelope, affix ½d. stamp.

S. KUTNOW & CO., LTD., Sole Proprietors,
41 Farringdon Road, London, E.C.

SAVORY & MOORE'S

SPECIALITIES

REVISED PRICES AND TERMS

Messrs. Savory & Moore wish to notify that revised prices of their Specialities, particulars of which appear in the Anti-Cutting Record for April, will take effect from May 1, 1916.

Special attention is drawn to the fact that the PROTECTED SELLING PRICE of all articles (including SAVORY & MOORE'S FOOD, ABSORBENT LOZENGES, COCOA and MILK PREPARATIONS, etc.), shows a 20% PROFIT to the RETAILER with a further 10% on assorted orders to the amount of £5 and upwards.

With one or two exceptions all articles have been protected at FACE VALUES. Send for Revised Price List, with Terms.

REVISED PRICES OF SAVORY & MOORE'S FOOD.	Retail Price Each.	Protected Min. Retail Price Each.	Protected Min. Wholesale Price Per Doz.
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	2/-	1/9	16/8
	5/-	4/4	41/7
	10/-	8/8	83/2

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Notwithstanding the immense increase in cost of production, we are still selling at old prices and allowing 100% profit. Our old customers report increased sales, and the hundreds of new customers are finding a truly BRITISH preparation is better, more reliable, and more profitable than Continental makes. In selling this preparation every new customer is obviously a regular one.

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You stock "Wincarnis"—our advertising sells it for you. There is an enormous and ever-increasing demand for "Wincarnis," because it is a good article backed up by a powerful advertising campaign. Don't risk losing sales through being out of stock. Glance at your stock now.

IMPORTANT NOTE TO CHEMISTS WITHOUT LICENSES.—It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" *without* a license.

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THE FRENCH NATURAL MINERAL — WATER. —

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT,
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VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

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Suttley & Silverlock, Ltd

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WHOLESALE DRUGGISTS'
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OF EVERY
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SOLDIER'S SHAVING OUTFIT.
Made in Khaki Drill. Case fitted with Razor, Shaving Brush, Metal Mirror, Shaving Stick, Tooth Brush and Tooth Powder, Toilet Soap and Towel. *7 6* each, boxed complete. *Subject to 33⅓% trade discount.* Order immediately from
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Telephone: North 1636.

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THE GOLD MEDAL FRUIT DRINK.
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AND SUPPORT THOSE WHO SUPPORT YOU. IT PAYS YOU TO PUSH THIS INK IN PREFERENCE TO NON-PROTECTED MAKES. IT IS NOT ONLY THE BEST, BUT SHOWS YOU THE MOST PROFIT.

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"THE ANTI-CUTTING RECORD" says:—"We are strongly of opinion that John Bond's 'Crystal Palace' Marking Ink should not only be kept in stock, but, in common fairness to the Proprietor, distributors may justly give this well-known line all the display, recommendation and push in their power."

N.B.—This is not a cut 6d. Marking Ink, sold at the Stores for 3½d.

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½ oz., 1 & 2 oz. **CANNONS** (large quantity). 5 oz. **CANNONS.**
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3½, 7, 15 & 25 oz. **PROVENCE OILS.** ⅛, 1 & 2 oz. **FLINT VIALS.**
PANEL BAY RHUMS. 5 × ⅝, 6 × ⅝ & 6 × ¾ **TEST TUBES.**
BEAKERS (in sets, six small sizes). **GLASS TUBING,** 10 to 15 m/m. diameter.
TUBE VIALS (various sizes), and with metal pull-off and screw caps.
TABLET BOTTLES, Nos. 1, 2, 3, 4, 5, 6 & 7.
COLLAPSIBLE METAL TUBES, 4 × 1 (4 gross only).
½ & 1 oz. **FLINT T.K. DROPPING BOTTLES,** & 4 oz. **AMBER.**
8 & 16 oz. **PANEL EMULSIONS.** 6 & 12 oz. **MEXICAN SHAPE EMULSIONS.**
1, 2 & 3 lb. **ROUND AMBER MALTS.** 6 & 10 oz. **FLINT ROUND SCREW JARS.**
2 oz. **FLINT VASE SHAPE SCREW POMADES.**
2 and 4 oz. **OPAL STRAIGHT POMADES** for pull-off cap.
2 oz. **OPAL STRAIGHT SCREW POMADES.**
8 oz. **SQUARE FLINT SCREW BARLEY-SUGARS.**
MALE GLASS URINALS (large quantity).

All the above, subject to being unsold on receipt of your order by 'phone or wire.
Remember delays are dangerous. BUY NOW while you can.

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Owing to the enormous advance in freight and shortage of ships, the price of these goods is now considerably advanced. I can, however, offer for a short time a few bales as follows:

SIZES (approx.)

8"—10"	12/- per gross		Net Cash with Order
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12"—14"	36/-	„ „	
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Carriage free in U.K. for £1 parcels. Foreign and Colonial Customers please include Parcels Post rate approximately.

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LEEDS, ENGLAND.

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CROSBY'S
BALSAMIC COUGH ELIXIR
Dr. ROOKE'S SOLAR ELIXIR
Dr. ROOKE'S
ORIENTAL PILLS

In view of the extensive demand created for these products by our new advertising campaign, and in order that your customers shall secure these articles in their best possible condition, the Proprietors give notice that they are willing to exchange any old or soiled stock for new stock.

The **NEW PRICES** are as follows:—

Size	1/3	3/-	5/-	12/-
Minimum Retail Price	**1/2**	**2/11**	**4/10**	**11/6**
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Packages.—Free. Carriage paid on £5 parcels.

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MAKES MILLIONS THINK

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CARDBOARD BOXES,
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POWDER POCKETS,
AND EVERY DESCRIPTION OF
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WHY NOT SEND FOR QUOTATIONS & SAMPLES.

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CHEMISTS' PRINTERS,
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The BEST are really the CHEAPEST.

Firstly, they give more output in proportion to their cost. Secondly, your satisfied customers come again for them. The very best are our GREEN LABEL @ 7/8, and 5-HOUR BLUE LABEL @ 8/4 dozen net.

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On P.A.T.A., in Packets of 50, at 9d., 1s. 2d. and 1s. 6d.

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BY BURROUGHS WELLCOME & CO.

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Benzamine Lactate, B.P.
and
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Identical chemically, physically and therapeutically with
EUCAINE LACTATE and HYDROCHLORIDE

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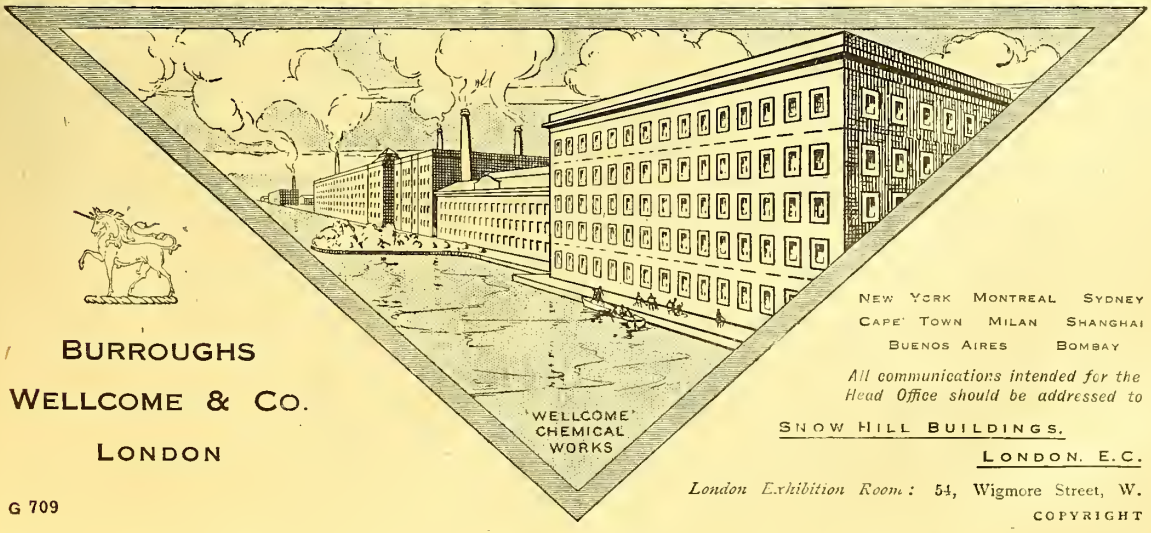
Both products are made throughout at the 'Wellcome' Chemical Works, Dartford, Kent.



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HEROGEN needs only to be introduced to the public to command satisfying sales. To promote this publicity, we are now offering special

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Write for particulars. *New advertising material on application*

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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

Subscription Rates.
Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1*s.*; *Diary* 3*s.* 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

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Head Office: 42 CANNON STREET, LONDON, E.C.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Sunday, May 7.

Pharmacist Volunteer Training Corps, Millbank Schools, Erasmus Street, Westminster, S.W., at 10 A.M. Drill and lecture by Sub-Commandant Pearman. On Wednesday, Thursday, and Saturday the bacteriological classes will be continued at 10 Bedford Square, W.C.

Monday, May 8.

Liverpool Pharmacists' Training Corps, Royal Institution, Colquitt Street, at 9 P.M. Squad drill and ambulance practice.

Tuesday, May 9.

Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin, at 3 P.M. Council-meeting.

Thursday, May 11.

Chemical Society, Burlington House, Piccadilly, London, W., at 8 P.M. Informal meeting and exhibition of apparatus, etc.

West Ham, East Ham, and Metropolitan Essex Association of Pharmacists, Earlham Hall, Forest Gate, E., at 7.45 P.M. Ordinary meeting.

LOCAL ASSOCIATIONS' CONFERENCE.—The Conference of Delegates of Local Associations will be held in the Throne Room of the Holborn Restaurant on May 17 and 18, commencing at 10.30 A.M.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.—The annual meeting will be held in the Throne Room of the Holborn Restaurant, London, W.C., on May 17, at 3 P.M. The adjourned meeting, at which the result of the Council election is to be announced, will be held the same evening at 17 Bloomsbury Square, W.C.

European War News.

Prohibited Exports.

NETHERLANDS.—According to a decree of April 17, 1916, the decree of March 17, 1916, regarding the exportation of oleaginous seeds has been changed as follows: The exportation is prohibited from the Netherlands of canary, mustard, lin, rape, and other oleaginous seeds, rice-meal, linseed cake and meal, rapeseed cake and meal, earthnut cake and meal. Canary, caraway, and poppy seed were not prohibited hitherto.

Military Tribunals' Decisions.

BLAIRGOWRIE.—A local chemist claiming conditional exemption stated that he is an Insurance dispenser, and he also applied on personal grounds. He was granted exemption until September 30.

CHESHAM.—Before the County Appeal Tribunal on April 26, a chemist's assistant was granted two months' exemption on the recommendation of the Insurance Committee, to enable his employer to make other arrangements for assistance.

COVENTRY.—On April 26, the Insurance Committee applied for exemption on behalf of twenty-six chemists' assistants engaged in Insurance dispensing. The list had been agreed upon with the Military Representative. Conditional exemption was granted until October 31.

GALSTON (AYRSHIRE).—The case was adjourned of a chemist who was expecting to receive a notice from the National Health Commissioners regarding his indispensability.

GLASGOW.—On April 25, thirty applications for exemption were heard on behalf of chemists' assistants. Twenty-one cases were not allowed, and the remainder were either postponed or exempted.

HULL.—It was reported to the Sculcoates Guardians that Mr. W. B. Kenny, the dispenser, had been exempted from military service.

INVERNESS.—Hepburn & Co., chemists, Beauly, applied for exemption of Alexander Matheson and Francis MacGrath, assistants. The appeal with regard to MacGrath was adjourned, and allowed in the case of Matheson.

KEMPSTON.—On May 1, the appeal of a chemist's assistant for a further exemption beyond the two months already granted was refused. He applied on personal grounds, so that he could make arrangements for the care of his mother and the breaking up of his home.

KING'S LYNN.—On April 27, a chemist who had been passed for home service only was granted conditional exemption on the ground that he would be better employed in Insurance dispensing.

LEICESTER.—A chemist in poor health and blind in one eye applied for exemption on these and conscientious grounds. The case was adjourned for a week for a report from the military medical officer.

NEWPORT (MON.).—Exemption for three months was granted to an assistant with J. Phillips & Son, chemists, Commercial Street, who, it was stated, dispense over 20,000 Insurance prescriptions per annum, or more than double the number dispensed by any other panel chemist in the town.

NORWICH.—Conditional exemption was granted to a chemist's assistant engaged in Insurance dispensing, who had been passed for home service only.

ROCHESTER.—On April 26, Mr. A. W. Ryder, chemist and druggist, applied for exemption for an apprentice engaged in Insurance dispensing. A month's exemption was allowed to enable a substitute to be obtained.

SEDGELEY.—On May 2, an applicant, who was described as a wholesale and retail druggist, applied for temporary exemption to enable him to obtain someone to manage his business in his absence. It was intimated that the Tribunal would grant a month's exemption on condition that applicant did not appeal, but this offer was refused, and an appeal is to be made.

STAFFORD.—At the County Appeal Court on May 1, six months' exemption was granted to a Stafford chemist's assistant who dispenses Insurance prescriptions. The appeal was supported by the Clerk to the Staffordshire Insurance Committee.

Miscellaneous.

ROUMANIA'S GRAIN sold to Germany is to be paid for in part by certain German products, especially medicaments.

GERMAN CHEMICALS.—The "O., P. & D. Reporter" states that a permit for the uninterrupted shipment to Merck & Co., New York, of 2,200 lb. of methylene blue, valued at 4,000 marks, and 44,500 lb. of potassium-hydroxide sticks, valued at 11,000 marks, has just been granted by the British Foreign Office.

German Soap-allowance.—At a recent meeting of the German Diet it was ordained that in future a person may only obtain 100 grams of fine soap per month and 500 grams of other soap or washing-powders. The soap is to be obtained on production of the bread-ticket for the last week of the month, but doctors, dentists, veterinary surgeons, midwives, and nurses can buy double these quantities.

German Alcohol.—A Federal Council order has just been issued, by which all stocks of spirit in Germany are to be placed at the disposal of the Spirit Centrale, which already controls nine-tenths of the total production of the potato-distilleries. The entire output is to be regulated under the supervision of the Imperial Chancellor, and the prices will be fixed by the Centrale, subject to the approval of a Committee appointed by the Chancellor.

The Union Jack Club, at 91a Waterloo Road, London, S.E., is doing great work for the business of the country, says, in effect, Mr. H. E. Morgan. The fighting forces have made commerce possible. The trading community can in some measure repay this debt, Mr. Morgan tells us, by working for and contributing to this greatest of all clubs. Contributions should be sent to the Hon. Treasurer of the Club, or to Coutts & Co., bankers, 440 Strand. Offers of service should be sent to Mr. Morgan at the Club.

Restricting Imports.—With reference to the announcement in the *C. & D.*, March 11 (p. 58), respecting the prohibition into the United Kingdom of canned, bottled, dried, and preserved fruit, the Board of Trade now give notice that licences will be granted for the importation, in the aggregate, of 50 per cent. of the amount imported in 1915, such importation to begin on October 31. These restrictions do not apply to produce from any part of the British Empire. So far as the drug-trade is concerned, prunes and figs will be chiefly affected, but tamarinds are British Empire produce.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

Qualitative Analysis for Junior Students.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by *a stamped and addressed envelope*, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, May 9, on which day the samples will be posted.

Students' reports will be received up to Saturday, May 20. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

Special Notice.—The prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, *which fact must be attested on their reports.* Others may obtain specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as *hors concours.* Correspondents who do not state that they are preparing for a qualifying examination will be included in the latter list.

The following incident occurred during a heavy shower one evening recently. A lady, not a customer, sheltered in and obstructed the entrance to a pharmacy until she could obtain a taxi-cab by signalling to a stand. On the arrival of the vehicle she entered the shop, emptied her reticule on a chair, to the inconvenience of the pharmacist and several customers, sorted out all her silver and copper coins so as to be ready with the fare, and finally, without a word of thanks or of apology, quitted the shop for the cab. "That is nothing to what I have to suffer," quoth the proprietor of the business.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Contracts.

Ealing Town Council.—Forbes, Abbott & Lennard, Ltd., carbolic acid; McDougall Bros., M.O.H. fluid; Burt, Boulton & Haywood, Ltd., grey carbolic-powder; Adcocks, liquid formalin and formalin tablets.

Holborn Borough Council.—Adcocks and A. G. Young & Co., for disinfectants, except permanganate of potash (no tender).

The Manchester Parks Committee has agreed to an increase in the prices of the contracts with Jewsbury & Brown and Westmacott & Son for the supply of mineral waters by an amount equal to the new Government duty.

Salford Town Council.—Burroughs Wellcome & Co., 40 doz. anti-diphtheria serums, at 48*s.* per doz.

Twickenham District Council.—Arad Feather, chemist and druggist, drugs, dressings, and sundries for a year.

Fairchild Scholarship and Prizes.

Mr. A. E. Holden, Secretary to the Committee of Trustees, Albert Chambers, 64-65 Holborn Viaduct, London, E.C., informs us that the 1916 application-forms are now ready, and copies can be obtained from him by any pharmacy student. The forms when filled up must be returned to Mr. Holden not later than June 1. The candidates for the examination must not be less than twenty years of age on July 1, 1916, nor more than twenty-two years of age on January 1, 1916. The subjects of examination are elementary chemistry, elementary materia medica, practical pharmacy and prescription-reading, and elementary business knowledge, the whole examination being in writing. The examination will be held in Belfast, Cardiff, Edinburgh, London, and Manchester, and the railway-fare will be paid by Mr. Holden to those who can only reach the nearest town of examination by railway. One scholarship, value 50*l.*, will be awarded, and four prizes of 5*l.* each—*i.e.*, one for each of the four countries in the United Kingdom.

Liverpool.

Early this week the strike of the section of Ayrton, Saunders & Co.'s workers ended, all the working places having been re-filled by old hands returned or by new ones engaged.

Recent addresses to the Chemists' Association have borne some good fruit in the increased attention to window-dressing. The success attained by the young man who caused every passing lady to stop and admire his window-dressing (he had need of nothing but mirrors!) has not yet been equalled, but the number of ladies, as well as gentlemen, who pause to admire what the pharmacists have to offer is visibly extending.

Ammonium carbonate and purified borax were the only drugs submitted to Mr. Collingwood Williams, B.Sc., the county analyst, last year—viz., twenty-three of ammonium carbonate and twenty-three of purified borax. Four of the former and eight informal samples contained 40 to 240 parts of lead per million instead of the B.P. limit, 5 parts per million, and two contained 20 parts. Of the borax samples, ten (six informal) contained 50 to 110 parts of arsenic per million and one (informal) 15 parts, against the B.P. 5 parts. It seems that the search for arsenic extended to 126 samples of the drugs named, besides two samples of salt of tartar, one of which contained 7 grains of arsenic per lb., or 500 times more than allowed in B.P. potassium carbonate, for which "salt of tartar" is no longer a synonym.

Sheffield.

Insurance dispensing is better again, and in some cases record weeks have been made recently.

Influenza is very bad in Sheffield at present, and several members of the craft have been off from business with sharp attacks.

On April 27, Boots Cash Chemists, Ltd., 212 London Road, and Arthur Eeob, manager, were each fined 5*s.* under the Lighting Order.

Chemists and assistants of military age who have previously obtained exemption are receiving their notices. Those who have been accepted by the joint conference will receive within the next few days a card of exemption.

Neglect of Science.

A meeting called by the Committee on Neglect of Science was held at Burlington House, London, W., on May 3, Lord Rayleigh in the chair, when the ignorance of science

among all classes in this country was discussed. The following resolutions were passed and are to be sent to the Government:

That in the opinion of this meeting it is a matter of urgency, in order to promote national efficiency in the near future, that the natural sciences should be made an integral part of the educational course in all the great schools of this country, and should form part of the entrance examination of the Universities of Oxford and Cambridge, as well as of the newer universities.

That it is in the highest degree desirable that the Government should exercise the large power which it possesses of encouraging the study of the natural sciences and thereby increasing the efficiency of our public servants (1) by assigning capital importance to the natural sciences in the competitive examinations for the home, Indian, foreign, and Colonial Civil Service; (2) by requiring some knowledge of the natural sciences from all candidates for admission to Sandhurst.

Miscellaneous.

Plans for alterations at 10 and 11 Market Street, Darwen, for Boots, Ltd., have been approved by the Darwen Corporation Buildings Committee.

Fuel Economy.—The need for and advantages from a national point of view of economy in fuel and lighting are urged in a circular issued by the Board of Trade.

The Pharmacists' Volunteer Corps' sham-fight at Easter was even more strenuous than was mentioned in the *C. & D.*, April 29, p. 27. It commenced at 10 o'clock at night, and not at 10 A.M.

Lighting Order.—For a breach of the lighting regulations Mr. John A. Hickson, chemist and druggist, Stanton Hill, Mansfield, was on April 22 fined 7*s.* 6*d.*—Mr. W. J. Brown, Ph.C., Bull Ring, Ludlow, was fined 5*s.* for a breach of the lighting regulations on April 25.

Medicinal Herbs.—A "special correspondent" of the "Yorkshire Post" communicated to the issue of April 29 hints on collection and cultivation of herbs, for which he is mainly indebted to Mr. E. M. Holmes. Other papers contained similar, but shorter, articles.

Civilian Dispensers.—The Army Order to which we referred last week (p. 35) regarding the reduction of the number of male civilian dispensers in military hospitals has been postponed in some cases of which we have heard. As we pointed out last week, the Order had been interpreted as applicable even to men over military age.

Messenger Scarcity.—The Hull Chamber of Trade has made representations to the Corporation for some relaxations of the by-laws affecting the employment of children on behalf of the local chemists, among other businesses, owing to the present shortage of errand-boys. The Town Clerk has replied that the Corporation has not the power to relax the by-laws.

Storage of Petrol.—At Leicester on May 3, John Richardson & Co. (Leicester), Ltd., were fined 10*l.* for unlawfully keeping on their premises, Evington Valley Road, Leicester, 164 gals. of petrol without a licence, and without having a wall or embankment around it. Regret was expressed on behalf of the company, and it was explained that the petrol had just been delivered when the inspector called.

Mr. J. Harris Stone, in letters to the daily Press, urges Fellows of the Chemical Society to attend the extraordinary general meeting on May 11, when the position of German and other enemy members will be discussed. Mr. Stone is a life member of the Society, and has been a Fellow since 1879. His full name is John Frederic Matthias Harris Stone. He is a M.A. of Cambridge and Barrister-at-Law of the Western Circuit.

London Chemists' Golfing Society.—Mr. G. F. Deeth, Hon. Secretary, has issued a balance-sheet for the year which ended March 31, 1916. This shows receipts of 18*l.* 12*s.* 10*d.*, including 15*l.* 5*s.* from sixty-one subscriptions. The payments were: Prizes and cup replicas, 3*l.* 2*s.* 6*d.*; engraving cups, 16*s.*; books, printing, and stationery, 2*l.* 11*s.* 10½*d.*; Committee-meeting expenses, 5*s.*; postage-stamps, 2*l.* 9*s.* 8½*d.*; leaving a balance of 9*l.* 7*s.* 9*d.*

Poisonings.—The cases reported during the past week have been as follows: A Barnsley gardener, suffering from depression and overwork, drank greenhouse vapourising-fluid containing nicotine, and died. An Austrian named Leitmann, living at Putney, committed suicide with veronal. A patient in the Edmonton Infirmary killed himself by drinking poison kept in a glass case in the ward for testing-purposes. The kind of poison was not stated in the report. At Nottingham a woman named Holmes committed suicide with carbolic acid after a disagreement with her husband over money matters.

St. John Ambulance Brigade.—We have received from Mr. J. Elder, of the Newcastle-upon-Tyne Chemists' Division of this Brigade, a group-photograph of the members. The Division has done good and useful service, its chief duties being assisting in convoy-work, including the transportation of wounded to the Northumberland War Hospital, Gosforth. The majority of the members have also become attached to the Air-raid Stations. Pharmacists and their assistants who desire to join the Division should communicate with Mr. John Elder, 21 Wolsingham Road, Gosforth, or with Superintendent Morton, 22 Ridley Villas, Newcastle-upon-Tyne.

Earlier Closing.—The Town Clerk of Hull has been instructed by the Health Committee of the Hull Corporation to complete arrangements for the bringing into operation of a closing order under the Shops Act for the chemists and druggists of the city. The hours fixed are: Monday, Tuesday, and Wednesday, 8 P.M.; Thursday, 1 P.M.; Friday, 8 P.M.; and Saturday, 10 P.M. Where the occupier of a shop elects to close his premises for the weekly half-holiday on a Saturday instead of a Thursday the closing-hour on Thursday will be 8 P.M.—The Home Secretary has confirmed an order for chemists and druggists at Cradley Heath and Old Hill (Staffs) to close at 8.30 P.M. on Monday; 8 P.M. on Tuesday and Wednesday; 1 P.M. or 11 P.M. on Thursday; 9 P.M. on Friday; and 11 P.M. or 1 P.M. on Saturday.

Institute of Chemistry.—The "Proceedings" (Part II.) of the Institute of Chemistry contains the President's address at the annual general meeting held on March 1, in which Sir James J. Dobbie expressed the hope that it would not be long before it would be common knowledge that, while "all pharmacists are chemists, all chemists are not pharmacists." In the discussion which followed Dr. M. O. Forster suggested that "some attempt should be made by the Institute in friendly conference and by peaceful arrangement with the Pharmaceutical Society to adjust the long-standing hardship in connection with the namelessness of chemists as professional men." It would not be unreasonable, he said, to invite pharmacists to relinquish one of the three names which they enjoy—chemist, druggist, and pharmacist—and hand it over as a free gift to the poor, nameless people who, in so far as they spend their lives in studying chemistry and widening its boundaries, are surely entitled to call themselves chemists. In a report of the proceedings of the Council in the same publication is a request for information regarding the "Royal Institute of Chemists," an individual having been found using the initials "F.I.C." on the strength of a certificate granted by this body.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. James Ferrier, pharmacist, Grangemouth, was at Falkirk last week fined 5*s.* for not shading a window-light.

A case of anthrax in Glasgow has led to inquiries by the police in Dundee as to purchases by chemists of shaving-brushes from certain wholesale houses.

The Perthshire Western District Sub-Committee have arranged with chemists in Dunblane, Doune, and Callander to supply rat-virus to farmers free of charge. Landed proprietors are also to be supplied. The scheme involves an expenditure of about 350*l.*

There is acute feeling in pharmaceutical circles in Scotland on the military dispensers' situation, which was only known on the arrival of the *C. & D.* last week. The desire is expressed that leading representatives of pharmacy should take the matter up at headquarters and insist on a proper pharmaceutical service for the Forces, such as we see in all Continental countries.

Prices of Aerated Waters.

The Perth Aërated-water Manufacturers' and Bottlers' Trade Defence Association has issued its new price-list as follows: Aërated waters, splits 1*s.* 3*d.* doz. net, 10-oz. bottles 1*s.* 6*d.* doz. net, 20-oz. bottles 2*s.* 6*d.* doz. net; dry ginger-ale, split bottles 1*s.* 6*d.* doz. net, 10-oz. bottles 2*s.* doz. net; all syphons, 30-oz., 5*s.* doz. net; 40-oz., 6*s.* doz. net. A minimum deposit of 6*d.* per doz. is charged on all bottles loaned, and 3*d.* on each syphon.

Edinburgh.

Dr. J. L. Ewing has been succeeded in the chairmanship of the Edinburgh Chamber of Commerce and Manufactures by Mr. James Currie. In his address Dr. Ewing spoke most hopefully of business during the war.

Customers are beginning to ask why some chemists can sell glycerin and others are unable to do so. It seems a pity, in the opinion of some who have had to sign the guarantee, that the sale is not entirely prohibited.

Syphons of potash and soda waters are being retailed at 7*d.* and 8*d.* each. There is some doubt with those who have been in the habit of using a bulb-machine to fill their own syphons as to whether it would not be more profitable to scrap such articles and purchase filled syphons from the wholesalers.

Fifeshire.

The following is a general list of the average retail prices ruling in the county at present:

Acid. acetic., 1 oz. 2*d.*, 4 oz. 7*d.*; acid. acetylsal., 10 gr., 3*d.* each; acid. acetylsal., 5-gr. tablets 1*s.* 3*d.*, 1*s.* 6*d.* doz.; acid. boric., 2*d.* per oz.; acid. carbol. liq., 6*d.* per oz.; acid. citric., 6*d.* per oz.; acid. tartaric., 6*d.* per oz.; alum, 1*d.* per oz.; ammon. brom., 6*d.* per dr.; sal. ammon., 2*d.* oz., 4 oz. 7*d.*; aromatic waters, 1*d.* per oz.; atrop. sulph., 1*s.* per gr.; bismuth. carb., 2*s.* per oz.; bismuth. salicyl., 4*s.* 6*d.* per oz.; borax, 1*d.* per oz., 4 oz. 3½*d.*; cera alb., 5*d.* oz., cera flav., 5*d.* oz.; dextrin, 1*d.* oz., 4 oz. 3½*d.*; ext. cascara liq., 4*d.* to 6*d.* per oz.; ext. ergot. liq., 1*s.* per oz.; ext. glycyrrh. liq., 1*s.* oz.; ferri ammon. cit., 10*d.*, 1*s.* oz.; ferri quin. cit., ʒij. 1*s.*; glycerin. pur., 3*d.* oz.; glyc. boracis, etc., 4*d.* oz.; glyc. tannic., 6*d.* oz.; hexamine, 1*s.* 6*d.* oz., ʒij. 6*d.*; lanoline, 6*d.* oz.; lin. A.B.C., 1*s.* oz.; linseed meal, 6*d.* lb.; lin. iodi, 1*s.* oz.; mag. sulph., 1*d.* oz.; naphthaline balls, 4*d.* oz.; ol. amygdal., 6*d.* oz.; ol. camphor., 3*d.* oz.; ol. eucalypt., 6*d.* oz.; ol. morrhuæ, 4*d.* oz.; ol. olivæ, 2*d.* per oz.; phenacetin, x. gr. 4*d.* each; phenacetin tablets, 2*s.* doz.; pot. bicarb., 4*d.* per oz.; pot. bromid., 4*s.* 6*d.* oz.; pot. chlor., 4*d.* oz.; pot. cit., 1*s.* oz., 2*d.* dr.; pot. iodid., 3*s.* oz.; pot. permang., 2*s.* oz., 4*d.* dr.; quin. sulph., 1*s.* dr.; sacch. lact., 2*s.* lb.; senna-leaves, 6*d.* to 8*d.* oz.; sod. brom., 4*s.* oz.; sod. salicyl., 4*s.* 6*d.* oz.; tinctures, 8*d.* per oz.; vin. ipecac., 6*d.* oz.; ordinary ointments, zinc, boric, etc., 4*d.* oz.; Abdine-powders, 1½*d.* each; seidlitz-powders, 1½*d.*, 2½*d.*, and 3*d.* each; health-salt, 6*d.* and 7½*d.* tin; 2*d.* soaps, 2½*d.* Tooth-brushes have advanced 25 per cent. on last year's prices.

Glasgow.

An advertiser in a local weekly paper offers for sale 8 oz. santonin. "Some" stock in these times.

"Sorgonette," of the "Glasgow News," says his chemist showed him a half-pint bottle costing 1*s.* 6*d.*, remarking that the only remedy for the cod-liver oil famine is for people at the coast to make their own "ile."

A week's canvass of Bonnybridge and district for empty bottles by a troop of boy scouts has resulted in 6,000 bottles being collected. The proceeds of the sale are to be handed over to the Committee for Scottish Women's Hospitals abroad.

The late Lady Kelvin has bequeathed to Glasgow University 5,000*l.* for promoting research and the teaching of physical science in connection with the Chair of Natural Philosophy, long held by Lord Kelvin, and all the decorations and medals conferred on him.

The Glasgow Parish Council has accepted the following tenders for six months: Spirit of wine, J. & D. McNair & Co., 174*l.* 15*s.*; surgical and antiseptic dressings, Baird Bros., 831*l.* 10*s.*; medicinal oils, R. Motherwell & Son, 148*l.* 10*s.*; malt extract, W. E. Taylor, 65*l.* 3*s.* 10*d.*; carbolic acid, F. C. Calvert & Co., 50*l.* 11*s.* 4*d.*; oxygen, British Oxygen Co., 3*l.* 8*s.* 9*d.*; and carbonic-acid gas, James Calder & Co., 8*l.* 15*s.*

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. R. F. McCartney, Ph.C., has been appointed Hon. Secretary of the Select Vestry of Coleraine Parish.

In connection with the Lurgan ipecacuanha-wine case, we note that the alkaloids found by the Government analyst amounted to 0.115 per cent., which is more than the B.P. requirement—namely, 0.1 per cent.

The Finance Committee of the Belfast Board of Guardians has granted the following increases in the salaries of compounders: Mr. Joseph Ritchie, 10*l.* from January 1, 1916; and Dr. Mary Logan, 10*l.* from April 1, 1916.

The Rev. Henry McKnight, M.A., Rector of Kilkeel, who died in Belfast on April 29, had several relatives in pharmacy. He was a brother of Mr. R. W. McKnight, Ph.C., Carlisle Circus, Belfast; of Mrs. Nicholl, wife of Mr. S. C. Nicholl, Ph.C., formerly of Belfast, and now of Winnipeg; of Mrs. Dunwoody, whose husband, Mr. J. W. Dunwoody, Ph.C., Ballybay, died about a year ago; and of Mrs. Rutherford, wife of Mr. Hamilton Rutherford, Ph.C., formerly of Ballybay, and now of Brisbane.

The Sinn Fein Revolt.

Dublin was from Easter held up by a revolt of Sinn Feiners which did not come to an end until Monday of this week, when there was a general surrender of the revolutionists, including the leaders. One of the first things that the Sinn Feiners did at the outbreak of the revolt was to call upon certain chemists, from whom they took materials for making explosive bombs. The chief centres of revolutionary activity were the Four Courts area and the Post Office in Sackville Street. The Post Office is destroyed, as also is Liberty Hall, the headquarters of the revolters, and parts of Sackville Street have also been destroyed by fire and the artillery. Shelbourne Hotel, the headquarters of the British Pharmaceutical Conference in 1901, was attacked by the rebels. The business places connected with the drug-trade or pharmacy in the district of the fight include Butler & Co., 53 and 54 Lower Sackville Street; John J. Graham & Co., 30 Westmoreland Street (the pharmacy of Dr. J. Walsh, ex-President of the Pharmaceutical Society of Ireland); Hayes, Conyngham & Robinson's pharmacy, 12 Grafton Street; Hoyte & Son's drug-warehouse, 17 Lower Sackville Street; W. Laird & Co., Ltd., 69 Upper Sackville Street; and W. F. Wells & Son, 67 Upper Sackville Street. Business has been at a standstill for a week, and postal and telegraphic communication has also been practically stopped, for the Sinn Feiners occupied the Post Office until it was destroyed. Several hundred men and women have been injured or killed. In the Royal College of Surgeons, which the rebels occupied, there are 200 wounded men.

French News.

(From the "C. & D." Paris Correspondent.)

The Lyons Fair, organised as a future rival to the famous Fair of Leipzig, is locally reported to have been a great success, the orders booked being said to total fifty-two million francs (about 2,000,000*l.* sterling). Among firms represented we notice the Pharmacie Centrale de France (Ch. Buchet & Cie.), Fournier & Cie., a Dijon pharmaceutical manufacturer, the Aguettant laboratories for hypodermic preparations, and Auge & Co., a local pharmaceutical firm. The drug and chemical trades figured more largely, but in many cases were rather industrial and general than medical or pharmaceutical.

Professor Emile Clement Jungfleisch, of the Paris School of Pharmacy, died on Easter Monday at his residence, 20 Avenue Rapp, Paris, at the age of seventy-seven. He was a Parisian by birth, and a lifelong student of chemistry. At the age of twenty he was already a member of the Paris Society of Chemistry. Four years later (1863) he became house-pharmacist at La Pitié, and it was during his stage here that he was "dispensed from all payment for completing his studies" by Ministerial decree (January 1, 1866), for the services he had rendered during the cholera-epidemic of the previous year. In 1868 he took his D.Sc., and passed his pharmaceutical Qualifying examination in 1869, becoming preparator to the great Berthelot, then Professor of the new Chair of Organic Chemistry. He was promptly promoted to an assistant-professorship, and acted in 1869, 1874, and 1875 as lecturer on organic chemistry. In 1876 Berthelot officially resigned his post at the School, and M. Jungfleisch naturally took his place and became titulary of the chair left vacant. Meanwhile, in 1872, he had taken the Jecker prize of the Academy of Sciences for his work on benzene chloride and the transformation of varieties of tartaric acid. Since 1869 he had contributed to the "Journal de Pharmacie et de Chimie" a periodical review of chemical works published abroad. He collaborated with Berthelot in revising and

Professor Jungfleisch.

preparing the second and third editions of the "Treatise on Organic Chemistry" (1881-86), and wrote a "Guide to Manipulations of Chemistry" (1886), which was translated into Spanish two years later. At the 1878 Paris International Exhibition he sat on the (Chemical) Jury of Awards, and in 1889 held a similar post, as well as sitting on the Jury of Admission. He had joined the Paris Society of Pharmacy in 1869; in 1883 he acted as President, and became an honorary member in 1905. He sat on the Codex Revision Committees of 1884, 1895, etc. In 1890 he became Professor of Chemistry at the Conservatoire des Arts et Métiers, and Vice-President of the Health Council of the Seine Department. Since 1880 he had been a member of the Academy of Medicine. In January 1908 he was appointed to the Professorship of Chemistry at the College of France, left vacant by the death of Berthelot, and in 1909 entered the Academy of Sciences. Of the useful work he has done since the outbreak of the war in connection with national defence it is yet too early to speak, but it is considerable and of great importance.

A PHARMACEUTICAL ROLL OF HONOUR.—M. Henri Gautier, Director of the Paris School of Pharmacy, proposes to draw up a list of all French pharmacists who have been killed and wounded in the service of their country during the present war, as well of all those who have been cited in Orders of the Day. He has communicated his intention to the Secretary of the General Association of French Pharmacists. This body entirely endorses the idea, and had already gathered some data in view of drawing up such a list. A circular has been issued to the Presidents of the local Associations, inviting them to join in thus paying homage to the memory of the departed and of those who, still living, have dared or suffered in their country's cause.

FINE CHEMICALS SUPPLY.—The difficulty experienced by French wholesale druggists in obtaining pyramidon, aspirin, antipyrin, salol, etc., induced the trade Association to wait on M. Behal, Director of the Office Pharmaceutique. By the intervention of the Minister of Commerce the Minister of War was persuaded to divert a small proportion of the phenol and aniline from supplies commandeered by the Army. Finally, the Gunpowder Services placed at the disposal of the Usines du Rhone the necessary raw material, on the understanding that the maximum price of sale to pharmacists should be as follows: Antipyrin, 58f.; pyramidon, 100f.; aspirin, 70f.; salicylic acid, 30f.; salol, 65f.; sodium salicylate, 50f.; methyl salicylate, 43f. M. Behal asked that a circular should be issued to pharmacists informing them of this understanding.

Colonial and Foreign News.

THE NIPPON DYESTUFF MANUFACTURING JOINT STOCK CO., the promoters of which are all Japanese subjects, has been formally authorised by the Japanese Government to manufacture synthetic dyes and medicines.

MEDICINAL HERBS are being cultivated at Langford, British Columbia, where about fifty varieties have been planted. The growers are to keep an exact record of progress, and hope to have valuable information tabulated at the end of the season.

CANADIAN EPSOM SALT.—A lease of the magnesium-sulphate deposits in the Muskiki Lake (Saskatchewan) has been granted to a company which is being organised for working and refining the deposits. The representative of the company (Mr. J. O. Carss, Ottawa) in his application stated that the company would instal plant capable of producing for shipment from 50 to 100 cars of the product during the first year of operations.

GERMAN DYES AND CHEMICALS.—The German colour-manufacturers, says the "Manchester Guardian," have issued a statement with the object of justifying their recent action in advancing the prices of coal-tar colours in neutral countries by 400 per cent. and cancelling all existing contracts. It is asserted that no contracts have been made since the war began, but this appears to be incorrect, a number of firms claiming to have placed orders during the war period, and stating that delivery has been delayed.

U.S.P.—It is officially reported that the next edition of the United States Pharmacopœia will make use of the metric system exclusively in its weights and measures. In order to aid in this transition from the customary system, the United States Bureau of Standards is preparing a circular on weights and measures for the pharmacist and physician. This Bureau has also furnished the Committee on Revision of the Pharmacopœia with a statement on the subject of the fineness of drug powders, giving definitions of the several degrees of fineness and the method to be used in their determination.

Legal Reports.

Trade Law.

Merchandise Marks Act.—At Clerkenwell Police Court, before Mr. D'Eyncourt on April 25, Ada O'Neill, trading as "A. Terry & Co." and "Goody & Co.," mineral-water manufacturers, Knott Green, Leyton, was fined 4*l.*, with six guineas costs, for selling a syphon of soda-water to which the false trade description of "Plowman, Barrett & Co." had been applied.

Sale of Food and Drugs Acts.—At Chatham on April 28, Mr. W. L. Towers, chemist and druggist, Chatham, was charged, under Section 6 of the 1887 Act, with selling liniment of ammonia deficient in oil to the extent of 46.4 per cent. and containing 36.5 per cent. of turpentine. Mr. Towers explained that he questioned the purchaser and concluded that what he wanted was white oil, which he supplied. The Justices treated this as a technical offence, and imposed a fine of 20*s.*—At Nottingham on April 27, Mr. George Fowkes, 11 Ashley Street, was fined 5*s.* for selling spirit of nitrous ether 35 per cent. deficient in ethyl nitrite.

Graduated Measures Case.—At Brierley Hill Police Court on May 1, Webb & Corbett, Ltd., glass-manufacturers Amblecote, Stourbridge, were, under the Merchandise Marks Act, fined 70*l.*, and 35*l.* special costs, for selling certain apothecaries' graduated measures to which a false trade description was applied, and also for supplying certain apothecaries' glass measures contrary to the provisions of the Act. There were also twelve summonses against the company under the Weights and Measures Act for uttering certain apothecaries' measures with a forged stamp thereon, but these were withdrawn. The proceedings were instituted by the Director of Public Prosecutions, the charge having been preferred by Mr. Alfred Street, Chief Inspector of Weights and Measures, City of London. It was stated that the defendants had entered into contracts with the Government for the supply of 4,000 4-oz. measures and 2,600 2-oz. measures, verified and stamped by a Board of Trade inspector. It was submitted that the measures supplied were not verified by a Board of Trade inspector, but had upon them a stamp which was a forgery. For the defence it was denied that there was any intention to defraud, and Mr. Webb, managing director, stated that he regarded the stamp on the glasses merely as an identification mark for the War Office.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

GLASS ACCESSORIES SYNDICATE, LTD. (P.C.).—Capital 5,000*l.* S. M. Jenkinson, P. Gold, and E. F. Oldham are first directors. R.O., 51 Lincoln's Inn Fields, W.C.

L. TALAMON, LTD. (P.C.).—Capital, 500*l.*, in 1*l.* shares. Objects: To carry on business as manufacturers of and dealers in artificial teeth. R.O., 62 Southampton Row, London, W.C.

BAUSCH AND LOMB OPTICAL CO., LTD. (P.C.).—Capital 1,000*l.* First directors are Edward Bausch, Carl F. Lomb (chairman), Wm. A. E. Drescher, and Felix R. W. Brand. R.O., 37-38 Hatton Garden, London, E.C.

THE UNITED DRUG CO. (Rexall, of the United States), the president of which is Mr. Louis K. Liggett, has been re-incorporated in Massachusetts, with an authorised capital of $52,500,000.

SKIROL is a bismuth preparation of patented composition which is intended to be used in pyelography in place of collargol. It is non-irritating, opaque to *x* rays, and capable of flowing through a fine urethral catheter.

PATENT-MEDICINE REGULATIONS IN VENEZUELA.—The new regulations governing the composition, labelling, sale, etc., of patent and other medicines in Venezuela require that the label must indicate, in addition to the formula of the preparation, the names and quantities of active substances in each dose. The quantities must be given in metric terms, and the label must be printed in Spanish. The "South American Journal" (March 6) suggests that exporters of medicines should submit, through their Venezuelan agents, samples of their products to the Office of Public Health in Caracas, with a view to having such products included in the list of preparations which may be sold by pharmacists without the presentation of a physician's certificate.

Marriages.

Authenticated notices are inserted without charge.

Browning—Yeates.—At St. John's Church, Stourbridge, on April 25, Henry Browning, M.Sc., elder son of the Rector of St. Mary's, Beswick, Manchester, to Bessie Winifred, second daughter of Mr. Alfred Yeates, pharmacist, Stourbridge.

Daykin—Heath.—At St. Thomas's Church, Brampton, on April 24, Thos. Daykin, chemist and druggist, Newmarket, to Pattie, daughter of the late John Heath, Brampton, and of Mrs. Heath, Chesterfield.

Dryden—Yeaman.—At the Queen's Hotel, Dundee, on April 26, David Scott Dryden, chemist and druggist, 4 McGill Street, Dundee, to Edith McInroy, youngest daughter of the late Mr. D. F. Yeaman, wine-merchant.

Hollyoak—Potter.—At Lye, on April 22, Private Noah Francis Hollyoak, of the R.A.M.C., late departmental manager for Reade Bros. & Co., chemists and druggists, Wolverhampton, to Ada Edith, only daughter of Mr. G. W. Potter.

Macpherson—MacIver.—At Kyle Parish Church, on April 25, Duncan Macpherson, chemist and druggist, to Margaret, daughter of Mr. John MacIver, Stornoway.

Deaths.

Authenticated notices are inserted without charge.

Burkinshaw.—At Church Street, Belper, on April 24, Mr. William Thomas Burkinshaw, chemist and druggist, aged seventy-two.

Gilbert.—At Coventry Road, Hinckley, on April 20, Mr. George Gilbert, chemist and druggist, aged eighty-five.

Henkel.—At Chevy Chase, Maryland, U.S.A., on March 8, Miss Alice Henkel, assistant in economic and systematic botany, Bureau of Plant Industry, Department of Agriculture at Washington. Miss Henkel was the writer of a number of bulletins of medical botany. Her work as an original investigator was considered authoritative among botanists, and on various occasions has been referred to in the *C. & D.* She was a very active member of the Committee of the American Pharmaceutical Association.

Matthews.—At 30 Gravelly Hill, Erdington, Birmingham, on April 22, Mr. John Egbert Matthews, chemist and druggist, aged thirty-one.

Nicholls.—At Chelmsford, on April 21, Mrs. Nicholls, wife of Mr. T. L. Nicholls, chemist and druggist.

North.—At Somerset Hospital, Cape Town, on April 5, Alice Frances, wife of Mr. J. S. North, chemist and druggist, aged sixty.

Pearce.—At 2 Meadow Villas, Tavistock, on April 28, Mr. Thos. E. Pearce, chemist and druggist, aged seventy.

Tebb.—At 70 Jallend Street, Hull, on April 29, Mr. John Tebb, chemist and druggist, Beaumont Street, aged seventy-one. Mr. Tebb came to Hull from Crowle some forty years ago. He was well known in Hull. Former apprentices of his are Mr. I. W. Chapman and Mr. L. S. Sellé. The body was cremated on May 2.

Wills.

Mr. Hugh Fellows, chemist and druggist, Wolverhampton, left estate valued at 1,085*l.* 2*s.* 6*d.* gross, with net personalty 700*l.* 17*s.* 5*d.*

Alderman Ralph Shorrock, J.P., chemist and druggist, Darwen, Lancs, left estate of the gross value of 1,976*l.* 18*s.* 8*d.*

Mr. William Burton Shaw, chemist and druggist, Scarborough, who died on December 23, 1915, left estate valued at 408*l.* 13*s.* 4*d.*

Mr. Alfred Thomas Harrison, chemist and druggist, Daventry, who died on January 2, left estate valued at 649*l.* 16*s.* 5*d.* gross, with net personalty 455*l.* 17*s.*

Mr. Ebenezer Lomas King, chemist and druggist, Amersham, Bucks, left estate valued at 1,196*l.* 12*s.* 8*d.* gross, with net personalty 675*l.* 14*s.* 10*d.*

Mr. Francis Duckworth, chemical-manufacturer, Crumpsall, Manchester, left property of the value of 5,894*l.* 15*s.* 1*d.*, the net personalty being 3,698*l.* 1*s.* 4*d.* The testator leaves the whole of the property to his wife.

Mr. George Weddell, chemist and druggist, Seaton Carew, Durham, of Cerebos, Ltd., who died on January 20, left estate of the gross value of 36,817*l.* 12*s.* 4*d.*, of which 18,360*l.* 5*s.* 10*d.* is net personalty. His trustees are Mr. O. R. A. Byrd, schoolmaster, Gosforth; Mr. T. Maltby Clague, Ph.C., and Mr. Stephen Oliver, cashier, Newcastle-on-Tyne. He left 300*l.* to his wife, 50*l.* each to his trustees, one-half of his residuary estate in trust for his wife for life, and subject thereto his residuary estate in trust for his daughters Shirley, Lesley, and Ruby, in equal shares.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Colonel W. F. Wyley, of Wyleys, Ltd., Coventry, has resigned his command in the Warwickshire Territorial Force.

Mr. E. E. Thwaite, dispensing chemist, Tickhill, Yorks, has been re-elected overseer of the poor by the Parish Council and vicar's sidesman for the Parish Church.

Mr. Theo. H. Wardleworth, F.L.S., of the National Drug and Chemical Co. of Canada, Ltd., was elected Chairman of the Canadian Section of the Society of Chemical Industry at the annual meeting recently held at Toronto.

Lieut.-Colonel W. T. Grice, head of Smith, Stanistreet & Co., Calcutta, is now in this country, and business communications to him may be addressed c/o Evans Sons Lescher & Webb, Ltd., Bartholomew Close, London, E.C.

Miss Nina Palmer, third daughter of Mr. J. Spencer Palmer, pharmacist, Thornbury, Glos., has passed the examination of the Advanced Division of the Associated Board of the Royal Academy and Royal College of Music, London.

Mr. Roy Wright, son of Mr. James Wright, of Calcutta, Bombay, and Madras, has been serving in the London Scottish, and his brother, Mr. Norman Wright, in the Inns of Court Training Corps, but it is probable that the latter also will join the London Scottish.

Mr. C. G. Cresswell, who has been Secretary of the Society of Chemical Industry almost from the commencement, has resigned the position. Mr. T. F. Burton, who formerly acted as his assistant, but is now Editor of the Society's "Journal" has been appointed Acting-Secretary.

Mr. William Kirkby, M.Sc., Ph.C., F.C.S., F.L.S., the new President of the Manchester Pharmaceutical Association, is the son of the late William Kirkby, pharmacist, Sheffield, and from his individual work as an investigator

Mr. W. Kirkby, M.Sc., F.L.S., etc.

(especially in microscopy and pharmacognosy) is one of the best-known British pharmacists. Withal he also has distinction as a *littérateur* and historiographer. At the School of Pharmacy, London, Mr. Kirkby distinguished himself in all the subjects, and after passing the Major examination in April 1882, took the Pharmaceutical Society's silver medal. He then had three years' work with Wright & Barnaby, pharmacists, Manchester, and in 1886 became assistant, under Mr. William Stones, with Jewsbury & Brown. This connection has continued, with a very brief gap, down to the present time, and our portrait shows him in his business-room at Ardwick Green. Mr. Kirkby's association with the late Professor Leech in materia medica subjects, and as a lecturer on pharmacy at Manchester

University for over ten years provided an exceptional opportunity which he amply met, and the University's appreciation was shown by the bestowal upon him of the honorary degree of Master of Science. He has also done excellent work for the British Pharmacopœia, which the General Medical Council has acknowledged, and has in several other directions proved his exceptional distinction as a chemist, naturalist, and writer. He has long taken an active part in the work of the Manchester Pharmaceutical Association, and has held several offices in it, which has enabled his colleagues to know how thoroughly sane and sound he is in pharmaceutical matters. Our portrait is by Mr. John Cleworth.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Chemists in Combatant Units.

Mr. Tyson Wilson asked the Under-Secretary for War whether he was aware that there is a number of qualified chemists in the Army whose services are not being used to the best advantage; and whether, in view of the demand for dispensers, he would take steps in the interest of the Army to utilise the skill and knowledge of these men.—Mr. Tennant replied: All medical units at home and abroad are fully supplied with dispensers. If any qualified chemists who are serving in combatant units make application to be transferred to the Royal Army Medical Corps, the case of each applicant will be considered as vacancies for employment arise.

Venereal Diseases.

On May 3, Mr. Asquith, in reply to Mr. King (Somerset, N., L.), stated that the Government has decided to adopt the recommendations of the Royal Commission as to the diagnosis and treatment of venereal diseases, and arrangements are being made accordingly. It has been decided that 75 per cent. of the cost of these arrangements, which it is hoped may be undertaken with the co-operation of the local authorities, shall be defrayed by means of a grant from the Exchequer. Mr. Asquith added that he could not promise legislation on the other recommendations of the Commissioners, some of which raise very controversial questions, but the whole matter is receiving the earnest attention of the President of the Local Government Board.

Daylight-saving.

A good deal of interest continues to be manifested both in and out of Parliament in regard to the movement for the adoption of daylight-saving throughout the country. Questions were addressed to the Home Secretary in the House of Commons on Tuesday, May 2, and Mr. Herbert Samuel was able to say that a scheme for daylight-saving was introduced into Germany and Austria by administrative decree on May 1, and that Holland had also adopted it by legislation, to take effect from the same date. A Bill having the same object had been adopted by the French Chamber of Deputies unanimously, with the support of the Government, and is now before the Senate. A further advance in the Parliamentary movement was made in the evening, when Sir H. Norman handed in a notice of motion to the effect that in view especially of the economy in fuel and its transport that would be effected by shortening the hours of artificial lighting, the House would welcome a measure for the advancement of clock-time by one hour during the summer months of this year.

Compulsory Military Service Bill.

On Wednesday, May 3, the Prime Minister introduced a Bill to make further provision with respect to military service during the present war. The Bill brings into the King's Regular Forces every male British subject resident in Great Britain from the age of eighteen up to forty-one. On the thirtieth day after the Bill becomes an Act such persons must offer themselves for the Army. The services of men now in the Army are extended during the period of the war. Power is given to enable the Army Council to review the medical certificates of those who have been rejected on medical grounds since August 14, 1915, and to call the persons up again for medical examination. A clause deals with certificates of exemption, which can be renewed by the Appeal Tribunal only, whose decision is final. In other directions military law is strengthened by the Bill, which contains fourteen clauses. There is nothing about the drug-trade or pharmacy in it, and it may be taken that existing provisions stand as they are, with exception of the new fact that every male person between eighteen and forty-one *is to be in the Regular Forces, and practically no new way of getting out is created.*

Pharmaceutical Society of Great Britain.

Council-meeting.

The monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on May 3. The Councillors present were Mr. E. White (President), Mr. E. T. Neathercoat (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Bilson, A. S. Campkin, W. G. Cross, J. H. Cuff, W. L. Currie, F. J. Gibson, R. L. Gifford, J. P. Gilmour, C. E. A. Goode, A. Hagon, J. F. Harrington, J. Harrison, J. Keall, L. M. Parry, P. F. Rowsell, F. P. Sargeant, and J. R. Young.

Death of Cornelius Hanbury.

The minutes of the previous meeting having been read and confirmed,

The President referred to the death of Cornelius Hanbury (*C. & D.*, April 15, p. 40), and to the long and honourable connection which the Hanbury family have always had with the Society. He proposed the following resolution which was carried unanimously:

That this Council desires to place upon record its deep regret at the death of Cornelius Hanbury, a former member of Council and a Treasurer of the Society. He will be long remembered for his great interest and practical assistance in placing the Benevolent Fund on a solid foundation.

Retirement of Mr. Cross.

The President next referred to the retirement from the Council of Mr. W. G. Cross, and said he should not like him to depart after thirty years' service without a very clear demonstration of the good will of his colleagues. After mentioning the work of Mr. Cross on the Council and in public life, the President said his (Mr. Cross's) outstanding personal quality is his equable temper, which serves as an example to the younger men in public life. "We part with you," said the President, "with the greatest regret, and if you should at any time revisit the scenes of your former activities I hope you will always look us up." He then proposed the following resolution:

That this Council deeply regrets the retirement of Mr. W. Gowen Cross, and desires to place on record its sense of his services to the Society and to pharmacy during his long term of active work as a member of the Council. Elected in 1886, Mr. Cross was appointed to the office of Vice-President in 1892, which he held for three years, and with the exception of a brief interval he has devoted thirty years of his life to the service of the Society. His former colleagues in bidding him an official farewell, express the hope that Mr. Cross will be long spared to continue his interest in the Society's work.

Mr. Young seconded this, and said that he was losing a downright good friend who had been on the Council longer than any other member except Mr. Harrison.

Mr. Harrison, supporting, referred to Mr. Cross's connection with the old Trade Association of which he (the speaker) was President after Mr. Cross. If the Pharmaceutical Society is to maintain its respect, the members must be careful only to send to the Council men of the capacity of Mr. Cross and the late Mr. Newsholme; there need then be no fear that the usefulness of the Society will be impaired.

Mr. F. J. Gibson and Mr. Cuff also supported the resolution, which, having been carried by acclamation, was replied to by

Mr. Cross, who said that at any rate the picture drawn by the speakers of his services represented his intentions. He had done his level best to do his duty to the people who sent him there and to his colleagues. He had been asked why he was retiring, and his reasons were that he felt that after thirty years he should make way for new blood, in which the Society is very rich, and there is the personal reason that he was anxious to leave as a "going concern."

Honour for Dr. Willcox.

The President called attention to the fact that Dr. W. H. Willcox had had conferred upon him the Companionship of the Order of St. Michael and St. George. It was directed that a letter of congratulation be sent to Dr. Willcox.

Resignation of Mr. T. A. White.

The President then read a letter from Mr. T. A. White resigning his position on the Council as he is now unable to devote the necessary time to the duties. The President added that the matter would be placed on the agenda of the next meeting.

Elections and Registrations.

The election then took place of forty-five members and fifteen student associates. Some 379 persons were restored

to their former positions in the Society. The Registrar reported that he had registered twenty-four apprentices or students during the month.

CORRESPONDENCE.

The Privy Council forwarded a copy of Dr. Luff's report on the Society's examinations.

The Exeter Association sent resolutions regarding the sale and use of glycerin.

FINANCE COMMITTEE.

The Treasurer then submitted the report of the Finance Committee, of which the following is an abstract:

The receipts of the General Fund during the month were 2,462*l.* 18*s.* 2*d.*, made up as follows: Penalties and costs, 38*l.* 14*s.* 6*d.*; "Journal," 13*l.* 2*s.* 8*d.*; B.P. Codex, 20*l.* 14*s.*; subscriptions, 2,154*l.* 12*s.*; registration-fees, 77*l.* 14*s.*; election of Pharmaceutical Committees, 4*l.* 10*s.*; sale of Registers, 142*l.*; restoration-fee, 1*l.* 1*s.*; examination-fees, 10*l.* 10*s.* After deducting the payments ordered at the last Council-meeting, a balance of 1,695*l.* 4*s.* 3*d.* remained. The following amounts were recommended for payment: "Journal" and publications, 153*l.* 18*s.* 7*d.*; stationery and office expenses, 138*l.* 16*s.* 3*d.*; current expenses, 650*l.*; salaries, etc., 333*l.* 6*s.* 8*d.*; school and examinations, 212*l.* 14*s.* 10*d.*; law and professional charges, 12*l.* 14*s.* 6*d.*; house, 208*l.* 14*s.*; library, 7*l.* 16*s.* 7*d.* —a total of 1,718*l.* 1*s.* 5*d.* The balances on the Benevolent Fund were: Current account, 956*l.* 6*s.* 7*d.*; donation account, 257*l.* 5*s.* 11*d.*; Orphan Fund (adverse), 29*l.* 2*s.* 8*d.*

The TREASURER, in moving the adoption of the report, mentioned that 250*l.* of the balance in the donation account has been placed in Exchequer Bonds, and that 500*l.* from the general account has been placed with the bank on deposit. A special donation of 2*l.* to the Fund had been received from the Oldham Pharmaceutical Association.

The report was adopted.

BENEVOLENT FUND.

Mr. BILSON presented the report of the Benevolent Fund Committee, which recommended grants amounting to 79*l.* 6*s.* to five applicants. In moving the adoption of the report, Mr. Bilson asked if Masonic members would use their influence in obtaining the election of Mrs. Marsden, who is a candidate for the Royal Masonic Benevolent Institution. He referred also to the active interest taken by Mr. F. J. Gibson in the Royal Orphanage, Wolverhampton, where there are being educated ten orphans of chemists.

The report was adopted.

LIBRARY COMMITTEE.

The report of the Library, Museum, School, and House Committee dealt with formal matters and the preparation of the annual report. The last-named report was considered in Committee and approved.

PARLIAMENTARY AND GENERAL PURPOSES COMMITTEE.

The report of this Committee referred to the report of the Local Associations Executive Committee, and approved of the recommendation that the President be asked to prepare a report on the case for an increased establishment-charge for submission to the National Health Insurance Commissioners. The Voluntary Aid Detachment asked for a list of the women who passed the recent examinations of the Pharmaceutical Society. A communication from the Newport Pharmacists' Association regarding the supply of ships' medical stores by unqualified persons was referred to the Law Committee.

PRIZE AWARDS.

The following recommendations were made in regard to the School of Pharmacy and Council prizes:

Botany.—Silver Medal, Ella Caird; Certificates of Honour, Ethel Thomas and Marie M. A. Morgan.

Chemistry.—Silver Medal, Ella Caird; Certificate of Honour, Wilfred Herbert Linnell.

Practical Chemistry.—Silver Medal, Ella Caird; Certificate of Honour, W. H. Linnell and Oliver Pumphrey (equal).

Materia Medica.—Silver Medal, Ella Caird; Certificates of Honour, W. H. Linnell and Ethel W. Thomas.

Pereira Medal.—Ella Caird.

Silver Medal.—W. H. Linnell.

The report was adopted, and the examiners, Messrs. Allen, Fritsche, and Hampshire, were thanked for their services. Mr. T. Tickle was appointed examiner for the Jacob Bell and Manchester Scholarships in June.

The report of the examiners was received, and the seal of the Society was ordered to be affixed to the diplomas of the pharmaceutical chemists who passed the Major examination last month.

The annual report of the Executive of the North British Branch was received, and ordered to be recorded on the minutes.

Mr. CAMPKIN initiated a short discussion as to whether members of Council are silent at the annual meeting by an unwritten law or as the result of a resolution. "It is an unwritten law," was the PRESIDENT'S opinion.

This concluded the public business.

Abstract of Annual Report.

The Council, in presenting the seventy-fifth annual report and financial statement, has gratefully to recognise that, although the year under review has been full of difficulties unparalleled hitherto in the history of the Society, the position of pharmacists as an essential factor in national life has been considerably strengthened. The vicissitudes of the year have provided an opportunity of demonstrating the power of the Society to protect the legitimate interests of its members and to enhance still further the reputation of pharmacists in the public estimation. The membership of the Society, which on Janauary 1, 1915, was 8,175, the highest number ever reached, increased to 8,312 on December 31, a result all the more gratifying because somewhat unexpected. The number of student associates has decreased during the year from 599 to 539, which, although perhaps inevitable, is nevertheless to be regretted. During the year the increase of names on the Register of Chemists and Druggists was 169.

The number of alleged cases of infringement of the Pharmacy Acts investigated during the year was 1,122. Each case was carefully investigated, and in 300 instances the Registrar was authorised to proceed for the recovery of penalties.

The resignation of the editor, Mr. Humphrey, took place during the year, and since then the "Journal" has been produced by the secretarial staff, under the direct charge of the Assistant Secretary, Mr. A. J. Chater.

During the year 592 persons were registered as apprentices or students. Of the 979 Minor examination candidates 47 per cent. passed, while for the Major twenty-four of the forty-five candidates passed.

The organisation scheme, an outline of which is given, is referred to as having the supreme merit of elasticity, and, provided it meets with the hearty good will and co-operation of all members, is the best which can be devised at the moment.

The inception of the new Drug Tariff is traced, and it is stated that the Council realises the strain which was placed on the loyalty of members of the Society in following the policy of the Council, but the advantage of having the basis of payment altered by the abolition of the discounting clause and the disinclination of pharmacists to hamper the Government during the war probably accounts for the acceptances of the new conditions by nearly all the pharmacists in England and Wales. It is too early to estimate accurately the effect of the new Tariff on the remuneration of pharmacists, but the Council is watching the matter very keenly, and with the assistance of the Conference of Local Associations will be in a position to submit certain proposals to pharmacists in ample time before a decision has to be arrived at as to continuance of service next year.

The steady flow of pharmacists and their assistants into the Army and the steps taken to reserve the occupation of pharmacists are next mentioned. The Local Advisory Committees appointed to act with the Insurance Committees are stated to have carried out their work in an impartial, thorough, and expeditious manner, which is a further proof, if such were needed, of the capability of pharmacists to manage their own affairs, and of the broad-minded view taken in matters of national importance. The position of pharmacists in regard to the Red Cross Society was also mentioned.

The trade matters referred to were the extra tax on spirit, the duty on proprietary medicines and mineral waters, and the restrictions on the sale of glycerin.

Since the scheme was inaugurated for dispensing prescriptions for necessitous dependants of soldiers and sailors, 1,200,000 prescriptions have passed through the Society's hands, and the cost to the Society has been roughly 1,200*l.* It is estimated that pharmacists by this work have contributed to the State a sum of 13,000*l.* The Council points with pride to this work, which is rendered all the more valuable when it is considered how it has been accomplished with depleted staffs and innumerable other difficulties.

The School of Pharmacy and Research Laboratories have paragraphs devoted to them, and it is of interest to note that much work of national importance has been carried out in the research laboratories.

The Benevolent Fund and Orphan Fund are also referred to, and a long note is devoted to the work of the North British Branch.

Observations and Reflections.

By Xrayser II.

The Increase in the Price of aërated waters occasioned by the new taxes is inevitable, and does not seem excessive. It is noteworthy, however, that the cost to the consumer is increased out of proportion to the duty imposed. The same is true with regard to matches, and it always happens when a new tax is put on commodities, or an old tax is increased. This is one outcome of indirect taxation—the consumer always suffers out of proportion to what the Government gains.

The Cultivation of Medicinal Plants as well as the manufacture of fine chemicals, will be greatly stimulated in these islands by the scarcity of foreign supplies, and it is an industry in which pharmacists (especially those in the country) may help by both precept and example. In favourable circumstances it may be made a source of considerable profit, as I happen to know by experience, and even should it never get beyond the stage of experiment or a hobby it is well worth attempting for its own sake.

To Push Business eagerly while preaching economy may at first sight appear inconsistent, but everything depends upon the nature of the business and the meaning of economy. To regard economy as mere thrift, the saving of money, is as great a mistake as to suppose that by transferring a sum of money from our customers' pockets to our own we increase the national wealth; and the apparent inconsistency is a real one if we are dealing in things that are neither necessary nor useful. But if we consider economy in the wider sense, as it affects the resources and material prosperity, the productiveness and real wealth of the community, the case is very different. Even then a line must be drawn, but we cannot use the word "indispensable" in this connection in the absolute sense in which some of our tribunals seem to use it with respect to men. We chemists certainly sell little that could be given up without loss.

The Apothecaries' Hall is said to stand on the site of the old Blackfriars Theatre, and the production there on the Wednesday in last week of Ben Jonson's play "The Poetaster" had therefore a certain appropriateness, the Blackfriars having seen its first performance in 1601. "The Poetaster" is a satirical play; aimed chiefly at some of the players and playwrights of the time, and particularly at Marston and Dekker, who had attacked Jonson on account, as is supposed, of a previous satirical play of his, it not only added animus to the famous "War of the Theatres," but brought the author into trouble with the lawyers and military authorities. I do not know how the apothecaries of Jonson's day took his character of Minos (an apothecary) in this very play, but it is not precisely flattering, nor can the part assigned to Minos be regarded as a sympathetic one.

The Contradictory Statements regarding the food question in Germany that reach us from time to time may in future be neglected, for the report by Professor Thoms, of Berlin, makes it clear beyond any possibility of doubt that the German nation is suffering very severely from the lack of food. More than that, the substitutes that are being offered in place of foodstuffs are of such a character that the national health is certain to be undermined, even more than it would be with a much less restricted but more wholesome diet. Dr. Thoms is not a man who would publish a sensational report like that summarised in your last issue unless the statements were true, and the fact that he has put it on record that certain articles of so-called food "did not bear investigation" is not only a terrible revelation, but a terrible indictment. In view of the credibility of Dr. Thoms, it is rather surprising that his reports should have been allowed to get out of the country. Dr. Thoms used to be frequently in London, and, in common with many of your readers, I had the pleasure of meeting him at the last International Chemical Congress held in London some six years ago.

Mr. Hines's Definite Pronouncement in favour of territorial representation is a step in advance, and is in itself a good reason for wishing to see him on the Council. His presence there would raise the question of our constitution, its merits and defects, to the position its importance in view of existing and growing discontent demands, and would ensure at least an official review of the situation. The Council, as I have said before, can only be reformed from the inside; it will never even listen to a suggestion of reform until this comes from a member of its own body, but it will then be compelled to listen, its Olympian aloofness will be gone, its self-satisfaction disturbed—and we shall no longer be beating at a closed door. Mr. Hines is not the only candidate in favour of territorial representation, but he stands most decidedly for it, and there is no other programme before us that is so well calculated as this to bring our long-standing differences with the Society to an issue. I have indicated our chief ground of complaint against the Society; it is not that the Council as now elected does not show sympathy with our difficulties, but that its sympathy is not, perhaps cannot be made, effective; the Council has too much of the character of what I believe watchmakers call a "detached movement"—it is not in sufficiently close connection with the body for which it acts to be really representative. Its function, moreover, is almost entirely administrative, and administrative bodies inevitably tend to become bureaucratic. We want to enlarge its powers and quicken its life, and to that end it must be brought into a more vital union with the whole organism.

Mr. Kingzett's Appeal, which I have had the pleasure of reading in full, for "a real Institute of Chemistry," is a thoughtful and restrained argument for co-ordination of the various Societies of a chemical character. It is much less declamatory in style than Professor Armstrong's contribution, but the same ideas are common to both. Mr. Kingzett wants to start reform from within Burlington House, and he confines himself to chemical science without embracing the Societies dealing with metallurgy, brewing, and gas, all of which Professor Armstrong wants to have in his greater scheme. I understand that a third movement, more or less under official patronage, is on foot, while the Joint Committee of the various Societies is also supposed to be busy with the elaboration of some plan. Unfortunately, I do not detect much enthusiasm in favour of the various projects in the rank-and-file of the members who are supposed to be interested in the subject; and unless we are going to have either a spontaneous movement which will compel the leaders to "get a move on," or an energetic propaganda by those interested in getting the scheme widely known and discussed, I fear it will fall very flat indeed. I am glad that Mr. Kingzett proposed to carry the existing Societies with him, for if we begin by antagonising these at the outset there will not be much hope of progress.

Information Department.

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Editorial Articles.

Pharmaceutical Qualification.

The information that we were able to publish last week in regard to military hospital dispensers who were to have been discharged from their employment on April 30, and their positions filled as far as possible by women dispensers, has brought us an interesting letter from Mr. Herbert Skinner, one of the candidates for the Council of the Pharmaceutical Society of Great Britain. In his letter Mr. Skinner says:

"We are sending out men at the present time on an antiquated syllabus, and have altogether neglected the changes that have come over our medical methods."

Mr. Skinner here refers to the examination for registration as chemist and druggist under the Pharmacy Act, 1868. The opinion that he expresses fairly represents opinions that are not uncommonly held by pharmacists in Great Britain respecting the examinations of the Pharmaceutical Society, but we consider that those who hold these opinions have not acquainted themselves sufficiently with the limitations as to its examinations which are placed upon the Pharmaceutical Society by law. Mr. Skinner mentions clinical chemistry as a proper subject for pharmacists, since it enables them to discuss certain subjects more freely with medical practitioners. Presumably this refers to something related to the treatment of disease. This was foreseen more than sixty years ago, when the Pharmacy Act, 1852, empowered the Pharmaceutical Society to do certain things, and Section 8 laid down that examiners

"have full Power and Authority, and are hereby authorised and empowered to examine all Persons who shall present themselves for Examination under the Provisions of this Act in their Knowledge of the Latin language, in Botany, in Materia Medica, and in Pharmaceutical and General Chemistry, and such other Subjects as may from Time to Time be determined by any Bye law; *provided always that such Examinations shall not include the Theory and Practice of Medicine, Surgery, or Midwifery.*"

The examinations so instituted included the Preliminary examination, the Assistant's examination, and the examination for the qualification of Pharmaceutical Chemist. When the Pharmacy Act was amended in 1868 it specially provided in Section 6 that the examination for the qualification of Chemist and Druggist

"shall be such as is provided under the Pharmacy Act for the Purposes of a Qualification to be registered as Assistant under that Act, or as the same may be varied from Time to Time by any Bye law to be made in accordance with the Pharmacy Act as amended by this Act."

As a matter of fact, the Minor examination has been amended and extended on several occasions since 1868, but the Pharmaceutical Society has been careful, on the various occasions that the examination syllabus has been amended, to see that it does not go beyond powers of the 1852 and 1868 Acts, and that it is specially suitable, as Section 3 requires, for

"the Business of a Chemist and Druggist, in the keeping of open Shop for the compounding of the Prescriptions of duly qualified Medical Practitioners."

On one occasion the Council of the Society and the members of the Society in general meeting decided that a curriculum should be imposed upon Minor candidates,

and by-laws were formulated accordingly. This was in 1885, and the Privy Council declined to sanction the by-laws, as they imposed conditions not contemplated by the Acts. Although the law has since been altered to meet this inability, the limitation as to subjects of examination remains as in 1852, so that the Society's powers are directly confined to subjects which are not of a clinical nature—such as "practice of medicine." It follows that Mr. Skinner's suggestion cannot be carried out by the Pharmaceutical Society until the present Acts are amended. We question also if the Society has power to institute anything in the nature of a post-graduate examination, for its powers in that regard are confined to the Preliminary, Minor, Modified, and Major examinations, and its by-laws go no further.

Use of Glycerin.

We are informed by the Director of the Propellant Supplies Branch of the Ministry of Munitions of War that it is probable that some official notification with regard to glycerin restrictions will be sent out very shortly. There is in pharmacy, we may say, a difference of opinion in regard to this matter, and the balance of opinion favours the continuance of the plans which the Ministry has so far pursued, especially as the Ministry has been wonderfully successful in meeting the varied views of users of medicinal glycerin. Anything in the nature of a hard-and-fast regulation may give a lot of trouble. Manufacturers and wholesalers now require customers to sign a form worded as follows:

In accordance with the requirements of the Ministry of Munitions I guarantee that the glycerin ordered herewith will, if supplied, be used only (1) where it is called for by the British Pharmacopœia, or (2) for the manufacture of preparations of the Pharmaceutical Codex, or (3) when prescribed by a qualified medical practitioner; and that it will not be sold over the counter, nor made up into toilet-preparations or cosmetics, or used for sweetening-purposes.

We understand that the Ministry of Munitions does not absolutely limit medicinal preparations to the three classes mentioned. In the case of any other medicinal preparation which contains glycerin, application should be sent to the "Ministry of Munitions of War, Department of Explosives Supply (Propellant Supplies Branch), 32 Old Queen Street, Westminster, S.W." We observe that Evans Sons Lescher & Webb, Ltd., Liverpool, make the following statement in regard to stocks of glycerin as to which no undertaking has been given:

"We have been asked whether the restrictions apply to glycerin which has been purchased before these conditions were imposed. We are advised that they do not, but that the Ministry of Munitions are anxious that all holders should support the authorities in their endeavour to economise the use of glycerin for strictly medicinal requirements, so as to set free for national purposes as much as possible of the available supplies. On patriotic grounds, therefore, it is very desirable that the restricted conditions should be observed in every case. Where holders ignore this there will possibly be official interference later on as to getting further supplies."

This accords with the legal advice given in the *C. & D.*, April 8, p. 52, and privately to numerous correspondents.

Business Conditions.

During the past month or six weeks business has been quiet in chemicals, drugs, spices, and allied produce. Indeed, an attempt was made in Mincing Lane to postpone this week's drug-auctions for a week, but in spite of the influential origin of the suggestion it proved abortive owing to opposition from buyers and importers. It is curious that this period of inactivity on our markets, particularly in the home trade, finds its reflex in the United States, where similar conditions prevail. It must be remembered that for many months past activity, with a continued rise in practically all chemical and drug staples, was the characteristic feature, so that depression may be regarded as a natural reaction. Many have no doubt noticed a sagging tendency in the synthetic chemicals, some of which have been driven to a point where dealers and speculators lose interest, with a consequent decline in demand. In fact, buyers have ceased to pile up stocks, and prefer to purchase their requirements from time to time within well-defined limits. The present position, therefore, is in the nature of a foretaste of what is likely to happen at the end of the war, but the decline in prices then may not be so great as some people imagine. The low values which prevailed before the war will not be an immediate result of peace; in fact, speculation on this point is peculiarly futile, for as far as can be judged we are not yet within sight of the end of the war, and until then many things may happen which are likely to modify in a material respect the conditions upon which the belligerents will resume business. Present difficulties rather than future prospects warrant close attention. In the matter of synthetics and other chemical-products a great deal is being done in this country which was not done before, and the same can be said as regards Canada and the United States. This will stand when the war ends, for commercial protection against our present enemies has ceased to be the unthinkable thing it was to many before the war. There are difficulties in the way of importation of drugs and chemicals, just as there are in the shipment of a large number of commercial products, but merchants help in solving the difficulties and are willing to wait, for Fighters First is the rule, and that pays now and in the long-run.

Indigo.

The increasing volume of indigo shipments and the rise in prices, mentioned in our Trade Report, are indications that there is likely to be a return of prosperity to Indian planters, who since 1914 have again turned their attention to the natural dye. Thirty years ago exports of indigo from India exceeded 3,500,000*l.* annually, but before the war these had dropped to something like 200,000*l.*, and, as a natural result, planting had been abandoned on many estates. The reason for this was, of course, the fall in prices caused by the introduction, first of synthetic, and later of artificial indigo—the latter not necessarily made in Germany; and though British dyers have always preferred the natural product, the cheaper substitutes prevailed elsewhere, with the result that the natural dye has been largely displaced. One of the weak spots in natural indigo is its variability in composition, this being accounted for by the different processes followed in the fermentation, oxidation, and drying of the dye. This lack of a standard has always militated against the popularity of indigo with a certain class of dyers, but the Indian Government has now taken steps to have this defect remedied. A well-known member of the Society of Chemical Industry sailed for India a few days ago with the object of studying the indigo processes on the spot, and introducing such modifications as will ensure in a few years a thoroughly uniform and reliable standard dye. Further, it is hoped that by effecting economies in working the cost of production will be materially reduced, so that, in future, natural indigo will have a much better chance of withstanding the competition of the synthetic and artificial products.

"Veterinary Counter-practice."

We have recently published a new edition of this most useful work. It is just a quarter of a century since the first edition was published, and the new edition is the seventh. As in the case of the preceding editions, the editor has been assisted in the revision by a member of the Royal College of Veterinary Surgeons, who has veterinary experience of the present war. The new edition contains a considerable number of additions and emendations made for the purpose of bringing the treatise into line with recent advances in veterinary knowledge and practice, as well as to increase its usefulness to veterinary chemists. The posological table has been enlarged by the inclusion of the more recent remedies, and references are made to the increasing use of serums and vaccines in the treatment of infectious diseases of animals. The book should be in every chemist's shop-library, whether in town or country, at home or abroad, for it deals with diseases of cats, dogs, and poultry, as well as with the ailments of horses, cattle, sheep, goats, and pigs. It contains besides a great deal of useful information, and has a copious formulary. "Veterinary Counter-practice" is published at 4*s.* 6*d.* net, or 4*s.* 11*d.* free by post, and it can be obtained at the published price from wholesale houses who stock Chemist and Druggist books.

Retailers' Profits.

Mr. Charles Philip, the Herne Bay pharmacist, who spends a great deal of time on working out the retail prices of articles sold in the retail drug-trade, devotes his list for April to patents which are not on the P.A.T.A. list. There are four pages of the list (2*d.* post free), and prices are given from "cost" to "retail," and eight columns of profit varying from $7\frac{9}{13}$ per cent. to $33\frac{1}{3}$ per cent. Beecham's pills, as the biggest seller, may be taken to exemplify the keen interest of Mr. Philip's work; the 1*s.* 3*d.* size costs 11*s.* per dozen, and the profits are thus shown:

Retail	$7\frac{9}{13}$ %	10 %	$12\frac{1}{2}$ %	20 %	25 %
1/-	11/11	12/3	12/7	13/9	14/8

We have omitted $14\frac{2}{3}$ and $16\frac{2}{3}$ per cent. The South-East London Pharmacists' Association's retail price is 1*s.* 3*d.*, which is a little over 25 per cent. profit. Mr. Philip is also issuing a monthly list of alterations on his "Standard" retail price-list, which we commend to those retailers who want something of this kind to help them; indeed, Mr. Philip has come into touch with our Japanese friends through the *C. & D.*, and he is doing good work, as these instances which we mention prove.

New Books.

Kelly's Directory of Chemists and Druggists. 13th edit. 10 × $6\frac{1}{2}$ in. Pp. xxvii + 794. 25*s.* (Kelly's Directories, Ltd., 182, 183, and 184 High Holborn, London, W.C.) [This Directory is precisely on the same plan as the previous editions, but the information has been thoroughly revised and corrected up to the latest possible date. The Directory is, of course, the most comprehensive of any issued to the drug-trade, and, in addition to the chemists and druggists and drug-stores, it contains the names and addresses of the manufacturing chemists, wholesale druggists, drysalters, dentists, veterinary surgeons, hospitals, surgical-instrument makers, photographers, photographic-material makers and dealers in Great Britain and the principal towns in Ireland, the Isle of Man, and the Channel Islands.]

Lindley Jones, W. *Mercantile Year-Book and Directory of Exporters.* $7\frac{1}{4}$ × 5. Pp. 692. 10*s.* (Lindley Jones & Bro.) [This, the thirtieth annual issue, has been carefully revised and brought up to date of publication; a large number of names have been added to the list of oversea buyers, and over 1,100 business centres throughout the world are covered. The inclusion of the black-list of enemy firms abroad and the list of traders in China and Siam with whom trade is permissible are new features.]

Gum Acacia.—The exports from Egypt during the ten months ended October 1915 amounted to 615,075 kilos. (18,000*l.*), against 484,347 kilos. (13,000*l.*) and 822,184 kilos. (23,000*l.*) for the corresponding periods of 1914 and 1913.

Trade Notes.

Elbie Dustless Duster.—The Elbie Duster Co., Thongsbridge, Huddersfield, inform us that the retail price of their duster is 1*s.* 2*d.* each, not $7\frac{1}{2}$*d.* as stated in certain numbers of the *C. & D.* last week.

Dispensing-bottles and other kinds are offered in our advertisement section this week by Mr. Henry Samson, Stoneham Glass-works, Stoneham Road, Upper Clapton, London, N.E., who will send samples and prices to buyers on application.

"Agrippa" Band Teat and Valve are clever devices for feeding-bottles made by J. G. Ingram & Son, Hackney Wick, London, N.E. The minimum retail price of the teat is $3\frac{1}{2}$*d.*, and of the valve 3*d.* They are illustrated in the firm's advertisement.

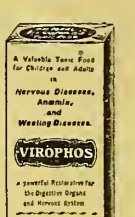
Glass Tubes.—Jules Lang & Son, Charlton Works, Charlton Place, Islington, N., inform us that they have a stock of small glass tubes with metal pull-off caps, as well as tubes with melted screw tops and metal screw caps. These are made in a friendly country, and not in Germany, and the stock is new.

Pears' New Retail Prices.—A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C., have advanced the minimum retail prices of certain products, the Golden Series being 1*s.* each for shaving-powder, opaque shaving-sticks, and Pear Blossom talcum-powder, while violet powder and fullers' earth have been advanced to $4\frac{1}{2}$*d.* and 9*d.* for the $\frac{1}{4}$-lb. and $\frac{1}{2}$-lb. sizes, and 1*s.* 5*d.* for the 1-lb. size of violet powder.

Norwegian Cod-liver Oil.—Isaac Spencer & Co. (Aberdeen), Ltd., manufacturers, North Esplanade West, Aberdeen, inform us that they have received by direct shipment from Bergen important stocks of genuine non-freezing Norwegian cod-liver oil, and that they are in a position to give favourable quotations to buyers. A sample which we have examined shows that the oil is of a pale bright colour and odour and taste are slight.

Atropine and Benzamine.—A few months ago we mentioned that Burroughs Wellcome & Co., London, had been making atropine at their chemical-works in Dartford. This was specially for the Government, but they have also been able to supply to dispensing chemists at prices which are reasonable, considering the extreme scarcity of the raw material. They are again offering this week atropine sulphate, and we are pleased to note that they are also producing at Dartford the B.P. equivalent of cucaine—viz., benzamine lactate—as well as the hydrochloride of this synthetic alkaloid, which is much used as a local anæsthetic.

Virophos.—C. J. Hewlett & Son, Ltd., 35 to 42 Charlotte Street, London, E.C., have produced a tonic food under the name of Virophos. This has a basis of milk casein, and contains in addition malt and glycerophosphates. The food is intended to be added in quantities of two teaspoonfuls to a cup of milk, cocoa, or other beverage, and in this form produces a pleasant-tasting restorative food which is much prescribed in nerve cases. Medical men are prescribing Virophos, and chemists should be in a position to meet the demands of the public for this preparation.



Gummaseur.—A. Vernon-Ward (London), Ltd., 2 Vere Street, London, W., sends us a little instrument called a "Gummaseur," which has been designed for massaging the gums. The interesting point is put forward that massage of the gums should promote a healthy condition, and prevent the modern plague of pyorrhœa. The difficulty of devising an instrument for the purpose has been overcome by Mr. Vernon-Ward, the "Gummaseur" being a neat, easy-running massage apparatus so shaped as to be readily used on all the surfaces of the gums. Some further particulars are given in an advertisement in this issue.

"L" Brand Lysol.—Lysol, Ltd., Crayford Mills, Warton Road, Stratford, London, E., send us a sample of the "L" brand lysol which they manufacture. Some time ago we referred to the fact that caustic potash is used in making this preparation, and not the cheaper caustic soda which is employed in some brands of lysol. This has more influence upon the preparation than would be imagined from the theoretical point of view. The potash compound is apparently more soluble than the soda cresolate, and this ensures the absence of cloudiness when the "L" brand lysol is mixed with chloroform, alcohol, and glycerin. Dilution with water can also be made with either tap-

water or distilled water. Any slight difference in the taste and smell of the "L" brand lysol and German lysol is due to the fact that the preparation matures somewhat on keeping, but the demand for the British product prevents prolonged storage. The lysol under review is made under the analytical control of Mr. E. J. Parry, B.Sc., F.I.C., and Mr. Arthur R. Ling, F.I.C., and the shareholders of the company manufacturing it are British subjects.

Allen & Hanburys' Bicentenary.—In our issue of December 25, 1915, we reported the meeting of the employés of Allen & Hanburys, Ltd. held in the Great Eastern Hotel on December 18, when, on the occasion of the bicentenary of the Allen & Hanburys business, presentations were made to Mr. Frederick J. Hanbury and Mr. W. Ralph Dodd. The company has now issued a souvenir of the event, as a small quarto of forty-four pages, which is handsomely produced. This includes a verbatim report of the proceedings, and the following pictures: The old Plough Court Pharmacy, which was the birthplace of Pope; the Bigland portrait of the late Cornelius Hanbury, M.R.C.S., chairman of the company, presented by the staff on February 29, 1896; exterior and interior views of the album presented to Mr. F. J. Hanbury at last December meeting, and his portrait by Mr. Bigland, presented at the same time; portrait of Elizabeth Hanbury (mother of Cornelius Hanbury), taken on her hundredth birthday; reproductions of silver centrepiece, cabinet of silver, and of the album presented to Mr. W. R. Dodd, as well as his portrait; also portraits of Mr. R. J. Hanbury, M.R.C.S., L.R.C.P., Mr. F. Capel Hanbury, Ph.C., Mr. F. W. Gamble, Ph.C., directors of the company, as well as that of Mr. John Netherway, F.C.I.S., secretary of the company, and Hon. Treasurer of the Presentation Fund.

National Cash-registers.—The 1916 models of National cash-register made by the National Cash Register Co., Ltd., 225 Tottenham Court Road, London, W., are noticeably different in external appearance from previous patterns. The metal of which the new models are constructed is finished in oak, mahogany, and ebony. The oak and mahogany finish is not the ordinary grainer's production, but a "true to nature" finish, which it is difficult to believe is factitious until it is seen that the basis is solid metal. Chemists will appreciate the difference in appearance of the 1916 models, an important point being that the new "Nationals" harmonise with the mahogany or oak fittings of the pharmacy. The little shelf in front of the registers, formerly of marble, is now made of a vitreous substance, called "Vitrilite," which has advantages over marble for this purpose. The new finish makes the registers more durable, as they are unaffected by damp, and they can be more easily kept clean. There are three classes of these new machines: Class 700, the main features of which are press-down keys, total-adders, and sales-strip printers; Class 800, with press-in keys, total-adders, sales-strip and receipt printers; Class 900, with press-in keys, total-adders, wider sales-strip and receipt printers, with separate counters and cash-drawers for individual assistants. Chemists who are thinking of installing a cash-register should write to the National Cash Register Co. at the above address for particulars of these new machines.

P.A.T.A. Protected List.—The April list contains many additions to and alterations in this list. The first of the actual additions is Potter & Moore's lavender-water, W. J. Bush & Co., Ltd., Ash Grove, Hackney, N.E., having become members of the P.A.T.A. There are six sizes of this (1*s.* to 14*s.* 6*d.*) The minimum retail prices adopted are the face values, and the minimum wholesale prices begin with 8*s.* per dozen for the shilling size, less 5 per cent. on 5*l.* lots. (See their advertisement in this issue.) Yardley's red-rose soap, and J. M. Smith & Co.'s zymate shaving-stick are the other new "actuals." There are also many new prices—*e.g.*, the "Allenburys" medical toilet and basic soaps, a full list of which can be obtained from Allen & Hanburys, Bethnal Green, E.; Armour's peroxide bath-soap; Sharp's white-rose and cucumber soap by D. & W. Gibbs, Ltd.; and Sister Laura's infant-food, new size, 2*s.* 6*d.* retail. A large number of alterations on previous prices are noted, including the following: Benger's preparations, Bristow's products, British Diamalt Co.'s preparations, Cleaver's products, Collis-Browne's chlorodyne, Contrexéville-Pavillon water, Cox's massolettes, Denoual's copaiba-capsules, Erasmic soaps and perfumes, Fellows' syrup, Field's soaps, Gelle's preparations, Gibbs's soaps, Gosnell's products, Greenwich lemonade, Grossmith's perfumes, Dr. J. Hooper's pills, Huxley's dusting-powders International Chemical Co.'s preparations, International Laboratories' goods, Jewsbury & Brown's tooth-paste, Jeyes' fluid, Knight's soaps, Kerfoot's salaspin tablets and health-granules, "Koko for the Hair," Lysol specialities, Maddock's lavender-soap, Martindale's products, McCaw's seccotine, Payan's specialities, Phillips' wheat phosphates and phospho-mur. of quinine, Potter & Clarke's dandelion-coffee, some Sanitas preparations, Savory & Moore's specialities, Southall Bros. & Barclay's c.l.o. emulsion, sparklets, Squire & Sons' specialities, Steedman's preparations, Tokalon products, Tomlinson's toilet-preparations, Veno's preparations, Warrick Bros.' goods, West Surrey Central Dairy Co.'s preparations, Whelpton's pills and ointments, J. B. Williams' specialities, Wright, Layman & Umney's shaving-soap, Yardley's eau de cologne and soap, and Zox.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

With special reference to the supply of medicines and appliances.

ENGLAND.

Blackpool.—At a meeting of the Insurance Committee on May 1, Mr. D. J. Bailey, chemist and druggist, in supporting a resolution, which was carried, that a copy of the analysis recently submitted by the checker of prescriptions be sent to each member of the Committee, expressed the hope that it would be sent out marked "Private and confidential."

Bolton.—At the meeting of the Insurance Committee on April 27, the question of excessive prescribing during 1914 was considered. The Panel Committee recommended that deductions of 135*l.* 0*s.* 11*d.*, 4*l.* 15*s.* 11*d.*, and 24*l.* 1*s.* 3*d.* be made from the accounts of three practitioners. Dr. Swainson said the Drug Fund is insufficient, and that doctors had been unable to give the things they did before the National Insurance Act came into force. The report embodying the surcharges referred to above was adopted.

Brighton.—At the meeting of the Insurance Committee on April 27, the Medical Benefit Sub-Committee reported that it had been authorised to spend 20*l.* on the checking of the prescriptions for 1915. Councillor Yates thought the amount very small. Councillor Black said the check is only an arithmetical one. The last-named speaker reported that exemption from military service had been agreed upon with the Military Representative for nine chemists out of nineteen for whom application had been made. Mr. Black pointed out that those to whom exemption had not been granted had still the right to go before the Tribunal.

Bristol.—At the meeting of the Insurance Committee on May 1, it was stated that 32,571 prescriptions had been received for pricing for the month of March, a total of 88,512 for the first quarter. Last year in the corresponding period 128,303 prescriptions were dispensed. The decline is partly accounted for by the number of insured persons who have joined the Army.

Hampshire.—At a meeting of the Insurance Committee on May 1, the Finance Committee recommended, and it was agreed to, that in view of the new prescription-checking arrangements, the cheques for the chemists be drawn as soon as the amounts due are received from the bureau, and that any three members of the Committee be authorised to sign the necessary orders. The Finance Committee also recommended that the balances due to chemists in respect of their 1915 accounts be paid. The Clerk was instructed to write to the Commissioners for a more detailed explanation of their figures for 1914, particularly with regard to the Drug Fund.

Kent.—At the meeting of the Insurance Committee on April 26, the action of the Chairman was approved in supporting applications for exemption of panel chemists. Mr. L. A. West has been appointed pharmacists' representative in place of Mr. E. Ockwell.

Leicestershire.—At a meeting of the Insurance Committee, it was arranged that, as the panel doctors do not agree to supply emergency dressings at a flat rate of 1*s.* per 100 Insurance patients, payment is to be made direct to doctors for the dressings supplied. Applications have been made for exemption from military service for nine chemists.

Middlesex.—A meeting of the Insurance Committee was held at Westminster on May 1, Mr. W. S. Glyn-Jones, M.P., in the chair. Among the payments agreed to were the following on behalf of chemists' accounts: For 1914, 150*l.*; for 1915, 218*l.* 15*s.* 5*d.*; for 1916, 3,871*l.* 7*s.* 9*d.* A payment to the Pricing Bureau of 246*l.* was authorised, this being half the estimated amount. As a result of representations of the Pharmaceutical Committee and the Panel Committee it was agreed to surcharge a doctor 9*l.* 15*s.* 6*d.*

Portsmouth.—At the meeting of the Insurance Committee on April 27, it was decided to surcharge five doctors for over-prescribing. This conclusion was arrived at by the Medical Benefit Sub-Committee, notwithstanding the finding of the Panel Committee that the doctors implicated had not prescribed extravagantly (see *C. & D.*, April 29, p. 41). The surcharge is to be 50 per cent. of the amount over that allowed by the Drug Fund. Dr. Mulvany tried to get the report referred back and blamed the chemists for the part they have taken in bringing home to the doctors the results of reckless prescribing. Dr. Wright, who seconded the amendment, said the increase in the price of drugs was responsible for the increased charge. Two chemists, Mr. Atterbury and Mr. Brewis, made short work of the medical pleadings, and the Committee adopted the report.

Sheffield.—A meeting of the Insurance Committee was held on May 3, when it was decided to deduct 2½ per cent. from chemists' accounts each month for administrative expenses, with a final adjustment at the end of the year. In regard to the diminished amount received from the Commissioners in settlement of 1914 accounts (*C. & D.*, April 29, p. 41) the Insurance Commissioners are to be requested to receive a deputation, consisting of the Chairman and representatives of the Panel and Pharmaceutical Committees, for the purpose of laying before them their view regarding the serious diminution of the amount available for medical benefit. The following payments were ordered: Balance of January accounts, 324*l.* 18*s.*; chemists' accounts rendered for March 31 at the rate of 4*d.* per scrip, 702*l.* 3*s.*

Southport.—A meeting of the Insurance Committee was held on April 25, and in regard to the supply of emergency dressings to doctors the plan was approved of allowing a flat rate of 1*s.* per 100 insured persons. It was explained that the Panel Committee have agreed to this arrangement, but one doctor has written asking to have a definition of emergency drugs and dressings in view of chemists' hours of closing. It was pointed out that as the Panel Committee has accepted the offer that is sufficient. Mr. Righton, chemist and druggist, explained, in answer to subsequent questions, that doctors only supply dressings in emergency cases, and not drugs.

West Riding.—Panel chemists in the West Riding of Yorkshire have received a circular from the Insurance Committee calling attention to certain matters which should be considered in connection with the sending of prescriptions to the Pricing Bureau. The chemist's stamp, it is pointed out, should be so placed that the writing on the prescriptions is not obliterated, and care should be taken to add the quantity or size of lint, plaster, etc., supplied, where a definite amount is not specified on the prescription. Practitioners have been requested to prescribe only from the British Pharmacopœia or West Riding Formulary, or in the alternative to write prescriptions in full.

Worcestershire.—At the meeting of the Insurance Committee on April 29, the question of the enlistment of panel chemists was discussed. Particulars had been received of eighteen chemists, but the special Sub-Committee which has been considering the matter stated that it is essential that particulars should be obtained of all the chemists on the panel. It was recommended that those cases which the Pharmaceutical Committee thought should be exempted should be supported on appeal in case of refusal by the Local Tribunal, but only where all the facts of the case have been supplied. Mr. Harris, chemist and druggist, expressed satisfaction with the arrangement.

York.—At the meeting of the Insurance Committee on April 27, a question was asked regarding a medical man who told a patient that the drugs required for his case were too expensive for an Insurance patient, but that he could be treated privately. The Clerk said there might be exceptional cases such as the one referred to.

SCOTLAND.

Aberdeen.—The Insurance Committee met on April 24, and protested against the expense entailed in the scheme of central checking, which is to be borne by the Committee, and not, as hitherto, between the doctors, chemists, and the Committee. The charge has been provisionally fixed at 161*l.* Dr. Gordon drew attention to complaints which are made by Insurance patients that the drugs with which they are supplied are inferior in quality to those used for private patients. He said this is an entirely erroneous opinion.

Edinburgh.—At the meeting of the Insurance Committee on April 27, the question of extravagant prescribing came up, and an offer of the Panel Committee was accepted to pay the cost of sorting out alleged extravagant prescriptions which have been returned to their bundles. The Panel Committee, which pays nothing towards the cost of the Checking Bureau, had expected, nevertheless, to be supplied with information and statistics from the Bureau. A summary of the Central Checking Bureau's report on prescription-forms for December 1915 was presented. The report contained the following: *Proprietary articles*, nearest equivalents have been allowed for, except in the case of nepenthe and peptopancreine. *Thirteen prescriptions* have been disallowed. Five of these were for Maori cigarettes, which is a secret remedy; three were "repeats"; three for quinine pessaries; one for glycerin and rose-water, a toilet-article; and one for invalid bovril. Six prescriptions for appliances not on schedule were disallowed. Three of these are for jacconette, two for sublimated wool, and one for pocket spittoon. *Stock orders*: Three prescriptions out of order—½ lb. boric lint supplied (¼ lb. on list), carbolised gauze (not on list), 3 doz. O.W. bandages supplied (½ doz. on list). The Clerk was instructed to ask the Superintendent of the Bureau for his reason for disallowing glycerin and rose-water, as both articles are in the B.P. Codex. The Joint Committee on the recruiting of chemists also reported.

Kirkcaldy.—The question of extravagant prescribing by doctors was referred to at a meeting of the Insurance Committee on April 28. It arose on a letter from the Pharmaceutical Committee in which it was suggested that as several doctors have exceeded the limit allowed per patient certain special drugs should be removed from the list, and also that lists of expensive drugs should be supplied to the doctors. Judge Peebles thought it would be very stupid of the Committee to recommend to doctors what they should prescribe. It was decided to submit the letter to the Panel Committee for their observations.—In sending out drug accounts to chemists attention was drawn by the Clerk to the number of irregularities in the January prescriptions, the rectification of which involves much time to the Central Checking Bureau. It is suggested that chemists should call the attention of doctors to cases where excessive amount or expensive drugs are prescribed.

Association Affairs.

Glasgow.—The annual meeting of the Glasgow and West of Scotland Chemists' Association was held at 165 Hill Street, on April 27, Mr. McMillan presiding. The Secretary's and Treasurer's reports (*C. & D.*, April 29, p. 40) were adopted. The membership is 310, of whom 114 are also members of the Athletic Club. The work of the Trade Committee has been unusually heavy, and has been highly appreciated. The Council thanked the Ladies' Committee (Mrs. Wm. Thomson, Convener) for splendid services, and thanked Mr. H. P. Arthur, Secretary *pro tem.* It was agreed to amend the constitution so as to provide that, in addition to twenty-one members of Council, each of the four affiliated Associations should have one representative on that body. A ballot for the election of the Council took place, but owing to the late hour it was decided to adjourn the meeting until Thursday, May 4. Messrs. J. P. Gilmour and Guthrie took the opportunity of urging all members to vote for Mr. W. L. Currie in the Pharmaceutical Council election. Mr. Currie thanked the members for their interest in his candidature.

Hull.—A meeting of the Hull Pharmacists' Association was held on April 27, Mr. I. W. Chapman (President) in the chair. A vote of condolence was passed with Mr. Richardson on the death of his wife. The Secretary reported that a telegraphic protest had been made to the member for Hull that the mineral-water tax is excessive in amount and will defeat its object. Mr. Chapman was appointed delegate to the Local Associations Conference in place of Mr. Sawyer, who is unable to go. The delegates were asked to support the Yorkshire Federation resolutions regarding the inadequacy of the remuneration of chemists under the National Insurance Act. Mr. Greensides was appointed to check the pricing of the Insurance prescriptions at a salary of 30*l.* per annum, it being pointed out that the pricing is done by girls who in many cases cannot read the writing of the doctor. The supply and sale of glycerin were referred to, and it was hoped that regulations would be made as to the sale of glycerin in stock. Mr. Sellé reported on the proffered settlement of half per cent. of the balance of the 1914 accounts. The Commissioners had previously offered 4.6 per cent. The meeting protested against the present offer.

London (N.).—A district meeting of the North London Pharmacists' Association was held on April 27 at Mr. Hepburn's pharmacy, Enfield. It was decided to support Messrs. Deakin and Skinner for the Council election.

London (S.E.).—A meeting of the South-East London Pharmacists' Association was held on April 26, Mr. A. J.

Wing (President) in the chair. Mr. H. Skinner addressed the meeting on *Pharmacy and its Relation to Modern Clinical Methods*, and gave an instructive lecture bearing on physiological chemistry, pathological chemistry, urine-analysis, blood, and sputum. He said that far too few pharmacists undertake urine-examination and kindred work. Urine-analysis plays an important part in revealing to the doctor the different diseases that a patient may be suffering from. Pharmacists, he said, have never been taught the fundamental principles bearing upon human life. All infants' foods on sale, he contended, should be labelled with the percentage of fat, proteins, and carbohydrates. All cattle-foods, and even plant-foods, on sale require to be labelled as to constituents, and yet food for infants may be sold without any statement thereon as to food-value. Many infants' foods on the market contain a large proportion of starch, and it is common knowledge that starch is an unsuitable food for infants. In referring to the assimilation of fats by the body, Mr. Skinner said that doctors prescribe in the large majority of cases too large doses of cod-liver oil and kindred preparation. One teaspoonful of cod-liver oil is an ample dose. Another drug which is often over-prescribed is citrate of iron and ammonia. Mr. Skinner was thanked for his address, and the meeting wished him success at the forthcoming Council election.

Society of Chemical Industry.—A meeting of the London Section was held at Burlington House, Piccadilly, W., on May 1, Mr. A. R. Ling (Chairman) presiding. After the minutes had been read, the meeting was asked to confirm the election of Mr. T. F. Burton, Mr. E. Grant Hooper, Dr. C. A. Keane, Mr. G. W. MacDonald, and Dr. J. Gordon Parker as members of the Committee, in place of Mr. F. H. Carr, Mr. C. A. Hill, Dr. R. Lessing, Mr. G. W. MacDonald, and Mr. T. Tyrer. A question was raised, however, as to the validity of the election, as some of the members stated that owing to the notices arriving during the Easter holidays they were unable to return the voting-papers at the stated time. Some difference of opinion was also manifest regarding the reading of the by-laws on the point. Eventually, the Chairman having pointed out that there was no alternative, the meeting by a majority confirmed the election. Dr. Frank Clowes, a Past-President of the Society, then read an interesting *Historical Summary of our Knowledge of Sulphur in Coal-gas*. He especially referred to the injurious effect of gas containing sulphur on the bindings of books and furniture of rooms wherein such gas is burnt, and to the successful catalytic process of ridding gas of sulphur which has been brought to perfection at the South Metropolitan Gasworks. In the discussion which took place, Dr. Chas. Carpenter, the inventor of the last-named process, stated that none of the details of the method are new, and that it was only by the collaboration of the chemist and engineer that a successful process was evolved. Mr. Harry Jones doubted some of the conclusions arrived at by the Committee which investigated the action of gas on leather bindings. He contended that the disintegration was due entirely to the use of sulphuric acid in preparing the leather. Mr. Butterfield, Dr. S. Rideal, and others also spoke, Dr. Rideal emphasising the fact that the quantity of sulphur in gas contributed as an impurity to the air is infinitesimal compared with the amount yielded by the burning of raw coal. Mr. J. S. G. Thomas next contributed a paper on the *Evaporation of Naphthaline in Dry and in Moist Coal-gas*, which was a re-investigation of this problem and an ingenious explanation of some of the anomalies involved in the process. Incidentally, he exposed a characteristic piece of German plagiarism of British research which was coolly attributed to a German.

Warwickshire.—A meeting of the Warwickshire Pharmaceutical Association was held at Leamington on April 25, Mr. Hutton (President) in the chair. A resolution of confidence in the Proprietary Articles Trade Association was passed. Consideration was given to the agenda of the Local Associations Conference. The position in regard to the recruiting of chemists was explained.

THE GENERAL MEDICAL COUNCIL should be asked to take up the matter of the injurious effects of *x* rays, and make it necessary that before a man is allowed to qualify he should be as fully acquainted with the dangers of the *x*-ray tube as he is with the dangers of strychnine.—*Dr. G. H. Rodman.*

OUR ECONOMISTS.—Customer: "I've called about the cough-mixture I bought. The first dose cured me." Chemist: "The instantaneous effect of that preparation, sir, has been remarked upon by everybody." Customer: "It's amazing; and, as there's only one dose gone, I thought perhaps you'd change what was left for some photographic plates."—*Punch.*

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

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42 Cannon Street, E.C., May 4, 6.30 p.m.

BUSINESS in several directions certainly shows an improvement, but, generally speaking, many of the high-priced synthetic chemicals are depressed, and quite a number exhibit a sagging tendency owing to lack of demand—*e.g.*, no shipments can be made to Archangel during the coming season except for cargoes destined for national defence. Potash and soda bromides in dealers' hands are easier, and the same applies to cocaine, hexamine, methyl salicylate, potash permanganate, and paraldehyde. A very large export business has been done in Japanese camphor slabs at comparatively low prices. British refined saltpetre is dearer. Sudan acacia, ammonia sulphate, menthol, and turpentine are cheaper.

Higher	Firmer	Easier	Lower
Cocoa-butter Cottonseed oil Honey Saltpetre Senna-pods (Tv.) Turmeric	Camphor (Jap. ref. slabs) Cassia oil Milk-sugar Nux vomica Soy	Ammonia sulphate Cardamoms Cocaine Gum acacia Hexamine Methyl salicylate Potash bromide Potash permang. Shellac Soda bromide	Cassia lignea Coconut oil Ergot Ipecacuanha Linseed oil Menthol Palm oil Pepper Turpentine

Cablegrams.

BERGEN, May 4.—The cod-fishing results are very small; market for finest new non-congealing medicinal oil is about 700*s.* per barrel.

NEW YORK, May 3.—Business in drugs is fair. Menthol is lower at $3.10 per lb. Gentian has advanced to 27c., and Cartagena ipecacuanha has been reduced to $2.55. Cascara sagrada is firmer at 7¼c. Hydrastis is lower at $4.30; buckthorn-bark is dearer at $1.00, and American saffron is lower at $1.80 per lb.

ACID, ACETIC.—The slow delivery of raw material has compelled the makers to restrict their output, and consequently prices continue to rise steadily.

ALMONDS.—Persian sweet are offered at 90*s.* per cwt.

ALUM is in demand, and, as makers are unable to quote, dealers obtain from 16*l.* to 18*l.* per ton for lump.

AMMONIA SULPHATE is easier. London is 15*l.* 15*s.* per ton net naked at works for 25-per-cent. ammonia for prompt delivery; Hull prompt (24-per-cent.) is 16*l.* 10*s.*, Liverpool is 16*l.* 12*s.* 6*d.*, and Leith is 16*l.* 17*s.* 6*d.* per ton, less 3½ per cent. in bags f.o.b.

ANISE OIL (STAR) is firm at 3*s.* 6*d.* on spot for "Red Ship" brand, and for April-May shipment 3*s.* 5*d.* c.i.f. has been paid.

BROMIDES.—American granular from dealers is offered at 20*s.* per lb. net, and sodium at 16*s.* net. This shows an inclination on their part to reduce prices. The position in America, however, does not admit of any appreciable reduction being made at present.

CACAO-BUTTER.—Sales of best English have been made at 2*s.* 6*d.* per lb., being dearer.

CAMPHOR (REFINED).—It appears that large orders have been received in this market from America for Japanese slabs, and it is estimated that over one thousand cases have been sold at from 1*s.* 6¾*d.* rising to 1*s.* 7¾*d.* per lb., but several orders remain unexecuted; near at hand has been sold at 1*s.* 7*d.* to 1*s.* 7¼*d.* c.i.f. The spot price of slabs closed

at 1*s.* 8*d.* In auction 20 cases of slabs were limited at 1*s.* 8*d.*; 20 cases of ¼-oz. tablets were bought in at 2*s.*, nine cases 2-oz. at 1*s.* 10*d.*, and eight cases ⅛-oz. at 1*s.* 11*d.*

Caraway-seed.—The Dutch Government has prohibited the export from Holland.

Cassia Lignea is cheaper, whole on the spot offering at 60*s.* to 62*s.* 6*d.* per cwt.

Castor Oil.—In Liverpool from 4¾*d.* to 5*d.* is quoted for good seconds Calcutta on spot.

Chillies.—At auction 52 bags fine red Japanese were bought in at 160*s.*

Citric Acid.—Four shillings per lb. is the minimum price at which spot parcels can be purchased, and the market tendency is for higher prices still.

Clove Oil is firm at from 5*s.* 6*d.* to 5*s.* 8*d.* for English distilled as to quantity.

Cloves.—Slow at 7¼*d.* per lb. for fair Zanzibar on the spot, at 7⅛*d.* c.i.f. d.w. for March-May shipment, and 7¼*d.* for June-August delivery. At auction 50 bales Zanzibar sold without reserve at 7¼*d.* for about fair, and 34 cases good picked Penang were bought in at 1*s.* 2*d.*

Cocaine is on the easier side at from 25*s.* 6*d.* to 26*s.* per oz. less 5 per cent. In auction three cases of crude, containing from 92.1 to 93.1 per cent. ecgonine, were retired at 11*s.* per oz. net.

Cod-liver Oil.—Although the tendency is weaker in Norway, the range of quotations remain such as to preclude business to arrive, the nominal rates being from about 700*s.* to 845*s.* per barrel. Finest new Lofoten oil is scarce on the spot, but good 1915 Norwegian medicinal oil is obtainable at from about 575*s.* to 600*s.*, and 1914 oil at less. Our Bergen correspondent writes on April 25 that the results of last week's cod-fishing is much below expectations—hardly half a million of cod. Owing to the holidays and to the closing of all the winter fisheries outside Finmarken the result is quite insignificant, but when the Finmarken season is opened after the holidays better results are hoped for. The official report give the following totals up to April 22:

	1913	1914	1915	1916
Catch of cod (millions) ...	45.0	61.5	52 6	41.0
Yield of c.l.o. (hect.) ...	28,300	46,000	42,700	49,600
Liver for "raw" oils (hect.)	6,400	8,800	7,400	4,400

There has been no business during the past week, and the last quotation of 710*s.* per barrel c.i.f. for finest non-congealing medicinal oil is nominal. In auction 27 barrels of Norwegian non-freezing 1914 oil, rather yellowish, were bought in, no bid being made to a suggestion of 500*s.* per barrel, and for nine barrels of Munn's Newfoundland non-freezing oil the limit was 550*s.*

Copper Sulphate is scarce and nominal at 53*l.* 10*s.* per ton for the usual Liverpool brands.

Formaldehyde.—Shipping difficulties prevent quantities from reaching this market, and spot parcels are scarce.

Gum Acacia.—Very large shipments of Sudan gums are on the water, and the market for ordinary hard Sudan sorts is easier, spot offering at 67*s.* 6*d.*, and to arrive at 53*s.* 6*d.* c.i.f. A good business has lately been done in Sudan gums for export to U.S.A.

Hexamine.—Sales have been made at 4*s.* 6*d.* per lb., at which there are further sellers.

Lime-juice.—A large tender is out on behalf of the Government; prices of West Indian are from 3*s.* to 3*s.* 6*d.* per gal.

Metol is offered at from 90*s.* to 95*s.* per lb.

Milk-sugar.—Good Dutch is still scarce, and 125*s.* is now asked for spot supplies; 120*s.* has been paid.

Oils (Fixed).—*Linseed* is lower at 38*s.* 3*d.* in pipes and 39*s.* 3*d.* in barrels on the spot; April 38*s.* 6*d.* *Cottonseed* is dearer at 46*s.* for crude in pipes, 49*s.* 6*d.* for refined in pipes, and from 54*s.* to 55*s.* for sweet refined in barrels—all on spot. Ceylon *Coconut* is dull at 61*s.* in hogsheads and 59*s.* in pipes, both on spot; Cochin is 60*s.* to 62*s.* on spot, and London pressed is 50*s.* 9*d.* Ordinary brown crude naked *Rape* is 49*s.* on spot; British refined in barrels is 54*s.* to 55*s.*; Japan in cases is at 43*s.* c.i.f. afloat. *Soya* oil is quiet at 37*s.* for Manchurian in cases afloat, and 37*s.* 6*d.* for May-June; Hull (spot) extracted is 40*s.*, and crushed 40*s.* 6*d.* Lagos *Palm* is steady at 48*s.* spot, and in Liverpool 41*s.* 6*d.* is quoted.

Opium is extremely quiet, the value of druggists' quality being from 34*s.* 6*d.* to 35*s.* per lb. on the spot.

Oxalic Acid is worth fully 1*s.* 9*d.* per lb., but forward delivery is offered at a concession on this price.

Pepper.—At auction 173 bags fair heavy Penang (naval-prize) sold at 7½*d.* per lb. Privately black Singapore is quoted at 7¾*d.*, Tellicherry at 8½*d.*, and Lampong at 8¼*d.*; Singapore white is 9⅞*d.*, Muntok 10⅛*d.*, and Penang 9½*d.*, all on spot.

Peppermint Oil.—American continues quiet, good brands offering at 8*s.* 6*d.* per lb. c.i.f.; 8*s.* 7½*d.* on spot. H.G.H. is 12*s.* 9*d.* in quantity, or 13*s.* to 13*s.* 6*d.* for small lots.

Phenacetin.—Supplies are coming forward very slowly, and spot parcels are worth 70*s.*

Pimento.—The recent lower prices are due to the prohibition of exports; spot sellers ask 3½*d.* per lb. At auction 115 bags were bought in at 3¾*d.*

Potash Carbonate.—Russian shipments of much larger quantities are coming forward as soon as Archangel re-opens, and a substantial reduction in present prices ought to be seen. Buyers would therefore do well to delay their purchases.

Potash Iodide is offered from dealers' hands at 14*s.* 9*d.* per lb. less 5 per cent. The exports of potash iodide from Japan during January 1914-16 were as follows:

	1914	1915	1916
Kin	7,464	12,875	6,597
Yen	49,893	99,720	53,159

The January 1916 exports of *crude iodine* were 150 kin against 51 kin and 6,018 kin in 1915 and 1914 respectively.

Potash Permanganate.—Small arrivals from France have taken place lately, and prices are easier at from 7*s.* to 8*s.* per lb.

Potash Prussiate.—Yellow is very scarce and worth from 4*s.* 3*d.* to 4*s.* 6*d.* per lb. on the spot, and 3*s.* 6*d.* for October delivery; *soda* is 2*s.* 7*d.*

Quicksilver is steady at from 16*l.* 12*s.* 6*d.* to 16*l.* 15*s.* per bottle, and selling daily thereat.

Quinine remains quiet at from 3*s.* 4*d.* to 3*s.* 6*d.* per oz. from second-hands, with little business passing for the home trade. What demand there is is chiefly for hydrochloride, in preference to sulphate. The landings in London during April amounted to 47,948 oz., and the deliveries to 144,768 oz., leaving a stock on April 30 of 1,306,160 oz., against 2,463,808 oz. in 1915.

Sal Ammoniac.—First lump is now 70*l.* and second lump is 65*l.* *Crushed*, which was formerly 2*l.* extra, is now 5*l.* extra.

Saltpetre was advanced on May 1 by 3*s.* per cwt., making the price of British refined 57*s.* and powdered 59*s.* 6*d.* per cwt.

Shellac quiet, with sellers of the usual standard TN quality at 92*s.*, good 93*s.*, and fine seconds 105*s.*; fine Orange is 115*s.*, AC Garnet 89*s.*, and GAL 84*s.* per cwt.

Soy.—Business has been done in Seuloong brand at 2*s.* 9*d.* per gal. duty paid; to arrive 2*s.* 1*d.* c.i.f. is quoted.

Strychnine.—Makers quote 3*s.* per oz for the B.P. crystals, 2*s.* 11½*d.* for powdered, and 2*s.* 9*d.* for sulphate, all net.

Tragacanth.—Prices are well maintained, and a fair business is being done. Export permits are granted freely, although there is of course a certain amount of delay in obtaining them.

Vanillin.—The cost of production is actually dearer, but no further advance has been made in selling prices, owing to the fact that the demand has not come up to expectations.

Wax (Japanese).—The average annual production of vegetable wax in Japan (according to the "Japan Chronicle") is about 15,000,000 kin, or 180,000 cwt., the principal producing centre being Kyushu. Of the above quantity between 4,000,000 kin and 5,000,000 kin is exported in ordinary circumstances, all the rest being consumed in Japan. Several weeks ago an enormous shipment was made to Russia and France, the total quantity exported amounting to 1,500,000 kin, and prices advanced considerably as a result. In the London drug-auction 50 cases of fair slabs were retired at 75*s.*

London Drug-auctions.

Commercial Sale Rooms,
Mincing Lane, E.C., May 4.

At the monthly drug-auctions held to-day only a small proportion of the goods offered was disposed of. Cape aloes sold at fully previous rates; good Socotrine in kegs are extremely scarce. Balsam tolu and Sumatra benzoin sold at steady rates, with a small demand. Buchu seldom sells in auction. Cardamoms were flat and neglected, prices tending easier. Lump dragon's-blood sold at firm rates, and for ergot much lower prices were paid without reserve. Honey of all descriptions is now extremely scarce, and an advance of 2*s.* 6*d.* to 5*s.* was paid. Ipecacuanha is in much better supply, with prices fully 1*s.* easier for Matto Grosso. Kola is on the easy side. Menthol declined 9*d.* per lb. on forced sales, and for Aden myrrh full rates were paid. Nux vomica is tending dearer; orange-peel is plentiful and neglected. Rhubarb is slow, with prices in favour of buyers, especially High-dried. Native sarsaparilla is steady, and

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for Tinnevelly senna full rates were asked, but pods were dearer. Beeswax was in better demand at generally firm prices, especially Mozambique.

	Offered	Sold
Aconite (Jap.)	10	0
Agar-agar	44	21
Ajowan-seed	67	0
Albumen	4	0
Aloes—		
Cape	61	40
Socotrine	10	0
Zanzibar	13	0
Anise (Span.)	10	0
Anise, star	25	0
Apricot-kernels	68	0
Areca	15	0
Argol	17	0
Balsam peru	5	0
Balsam tolu	30	6
Benzoin—		
Siam	22	0
Sumatra	164	13
Buchu	22	0
Calumba	17	0
Camphor	74	0
Cantharides (Ch.)	31	0
Cardamoms and seed	323	25
Cascara sagrada	194	0
Cassia fistula	50	0
Chiretta	5	0
Cinchona	7	0
Coca-leaves	8	8
Cocaine cr. .. (cs.)	3	0
Cochineal	25	0
Cod-liver oil	45	0
Colocynth and pulp	127	0
Coriander	15	15
Croton-seed	42	0
Cubebs	5	0
Cuttlefish-bone	126	0
Dog-grass root	140	0
Dragon's-blood	40	12
Elemi	26	5
Ergot	98	34
Galangal	12	0
Golden seal	1	0
Guarana	3	0
Gum acacia	9	0
Henna	4	0

	Offered	Sold
Honey—		
Cuban	82	82
Haytian	26	26
Jamaica	21	21
Japanese	14	14
Insect-flowers	5	0
Ipecacuanha—		
Cartagena	23	0
Matto Grosso	29	1
Jalap	27	0
Kino	5	0
Kola	23	1
Lime oil (h.p.)	4	0
Lycopodium	1	0
Mastich	10	0
Menthol	40	10
Mint oil (Jap.)	53	0
Myrrh	12	6
Nux vomica	162	2
Olibanum	82	22
Orange-peel	80	0
Papain	3	0
Quillaia	100	0
Rhubarb	105	37
Rose-petals	20	0
Sandalwood chips	100	0
Sarsaparilla—		
Lima	7	0
Native Jam	11	11
Sassafras	2	0
Senega	28	18
Senna and pods—		
Alex. and Mecca	77	1
Tinnevelly	154	65
Tamarinds (E.I.)	53	0
Tonka-beans	17	0
Tragacanth	71	0
Turmeric	38	0
Vanilla ess.	0	0
Wax (bees')—		
Abyssinian	404	404
East African	43	43
East Indian	131	0
Jamaica	8	5
Mozambique	43	43
Wax (Japan)	50	0

* Sold privately.

Agar-agar.—In auction 10 bales of Kobe No. 1 strip were retired at 2*s*. 8*d*. per lb.; a further 21 bales sold at from 1*s*. 3*d*. to 2*s*. 1*d*. per lb. for sea-damaged. The spot value of No. 1 Kobe strip is 2*s*. 7*d*.

Aloes.—Cape sold at fully steady prices, comprising fair to good bright hard Mossel Bay firsts (usual 20 per cent. tares) at 44*s*. 6*d*. to 45*s*. per cwt., subject; good seconds, 43*s*. 6*d*. to 44*s*.; and ordinary dull, part cindery, 42*s*. Privately, genuine Socotrine in kegs is scarce, and single lots of hard have been sold up to 100*s*. per cwt.

Areca.—For ten bags of partly wormy Ceylon 32*s*. per cwt. was wanted.

Balsam Tolu.—Steady. Four cases of fair, slightly softish, and part drossy sold at 1*s*. 7*d*. per lb.

Benzoin.—Steady. Eight cases medium to fair Sumatra seconds sold at from 6*l*. 10*s*. to 7*l*. per cwt., and ordinary country cut went at 5*l*. 15*s*. Good well-packed almondy seconds were held at 7*l*. 17*s*. 6*d*., at which private sales have been made, and for false-packed thirds from 5*l*. 10*s*. to 6*l*. was wanted.

Buchu met with no demand. Only one bale of good clean round greenish was offered and retired at 5*s*. 8*d*. Yellowish stalky round were limited at 4*s*. 10*d*., and common small yellow and stalky at 3*s*. 6*d*.; longs were held at from 3*s*. 2*d*. to 3*s*. 10*d*.

Cardamoms were flat, and prices tended easier. Ceylon-Mysore extra bold fine pale sold at 5*s*. 1*d*., good bold pale 3*s*. 6*d*., small and medium pale 2*s*., medium to bold splits 1*s*. 10*d*. to 2*s*. 2*d*., grey seed 1*s*. 3*d*., and fair ditto 1*s*. 9*d*. to 2*s*.

Cascara Sagrada.—For 11 tons of fair small thin peel 65*s*. per cwt. was wanted, net and gross for net.

Chiretta.—The value of fair quality is 7½*d*. per lb.

Coca-leaves.—Eight bales of ground greenish Java, partly sea-damaged, sold without reserve at 2½*d*. per lb.

Coriander-seed.—In the drug-auction 15 bags of Morocco sold at 18*s*. per cwt.

Croton-seed.—A parcel of 25 bags of ordinary to fair bright from Bombay was retired at 65*s*.

Dragon's-blood sold at firm rates, four cases of fair bright Singapore lump realising 7*l*., and for four cases of dull and damp slabs 5*l*. 10*s*. was paid. The limit for Zanzibar drop of dull colour was 40*s*. per cwt. No reboiled Singapore lump offered.

Elemi.—For good pale Manila paste the price is 100*s*. Five cases of fair sold at 85*s*.

Ergot sold at much lower rates, 32 packages of weevilly Spanish, all more or less sea-damaged, selling without reserve for account of whom it may concern at from 4*d*. to 1*s*. 10*d*. per lb., and for eight bags from another catalogue, also without reserve, 1*s*. per lb. was paid for weevilly Spanish.

Honey, being scarce, sold at an advance of 2*s*. 6*d*. to 5*s*. per cwt.; 21 packages Jamaica sold at 47*s*. to 50*s*. for pale-brown set, and 82 casks Cuban sold at from 53*s*. to 56*s*. for pale set and setting; while liquid amber sold at from 54*s*. to 57*s*., and fermented at 40*s*. Fourteen cases of pale pasty Japanese set sold at from 52*s*. 6*d*. to 54*s*. Twenty-six bales of Haytian sold at from 53*s*. 6*d*. to 56*s*. 6*d*. per cwt. as to quality. In Liverpool the sales include 56 casks Jamaica at from 46*s*. to 51*s*.

Ipecacuanha is about 1*s*. per lb. easier, a single bale of fair Matto Grosso selling at 19*s*. Of Cartagena 23 packages offered, but nothing sold, the buying-in prices being from 11*s*. 6*d*. to 12*s*. 6*d*. per lb.

Kola is on the easy side; a single bag of fair dried Grenada halves sold at 6¼*d*. per lb.

Lime Oil.—Four cases St. Lucia hand-pressed were retired at 10*s*.

Menthol.—At auction 10 cases Kobayashi sold at from 12*s*. 6*d*. to 12*s*. 7*d*. per lb. without reserve, being 9*d*. lower than the price asked privately; a further 20 cases Suzuki were bought in at 13*s*. 6*d*.

Mint Oil.—In auction three cases of Kobayashi were bought in at from 4*s*. 5*d*. to 4*s*. 6*d*.; the private price is 4*s*. 3*d*.

Myrrh sold at firm rates, six cases of very fair Aden character, partly blocky and dusty sorts, realising 60*s*. per cwt.

Nux Vomica is tending dearer. In auction two bags of small dull sold at 28*s*. per cwt.

Olibanum.—Fifteen cases pea-size sold at from 34*s*. to 35*s*. per cwt., and five cases dusty siftings at 35*s*.; two bales of sweepings realised 20*s*. without reserve.

Rhubarb.—Quiet; two cases of medium round Canton, with three-quarter pale-pink fracture and one-quarter dull, sold at 2*s*. 6*d*.; and for nine cases of medium to bold round horny High-dried, with three-quarter good pink fracture, 8½*d*. was paid. Ten cases of low wormy Canton sold at from 4*d*. to 5½*d*. per lb., and for 16 bags of Chinese Rhapontica 3½*d*. per lb. was paid without reserve. The value of good flat High-dried, with three-quarter pink fracture, is 1*s*. 4*d*., and Shensi 3*s*. 6*d*. to 4*s*. as to quality.

Sarsaparilla.—No grey Jamaica offered. Eleven bales of mostly dull pale-red native sold at from 10*d*. to 1*s*. per lb., the latter price being for fair. Of Lima-Jamaica seven bales were limited at 1*s*. 6*d*. for mostly ordinary.

Senega.—Eighteen bales sold without reserve, including very small broken and dusty at 1*s*. 3*d*., and sea-damaged at from 9*d*. to 1*s*. 3½*d*. The price of fair sound is 2*s*. 2*d*. net.

Senna.—Tinnevelly is only sparingly offered, and part of the lots offered (40 bales) had been sold privately; 19 bales of inferior small to medium yellowish leaf realised 8*d*. subject to 8¼*d*., and for 4 bales small dark pods from 10¾*d*. to 11*d*. was paid. Ordinary broken so-called Alexandrian leaf was held at 1*s*. 4*d*., and a case of sea-damaged sold at 7*d*.

Wax (Bees') was in better demand to-day at firm prices, the principal sale being 404 packages of Abyssinian, which realised 7*l*. 5*s*. for yellow and brown block. A fair quantity of Mozambique was disposed of at 7*l*. 5*s*. for small clean ball, 7*l*. 2*s*. 6*d*. for fair roll, 7*l*. for block, 6*l*. 12*s*. 6*d*. to 6*l*. 17*s*. 6*d*. for ordinary block, and 6*l*. for broken and crumbly ball. Five barrels Jamaica realised 8*l*. per cwt. for fair brown, being steady.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date of April 1, 3, and 5:

Alum has again been advanced by m.3 per 100 kilos. on account of the high prices paid for raw material. Powdered technically pure is m.36 per 100 kilos. and chemically pure crystal is m.45.

Ammon. Chlor.—Technical quality is from m.69 to m.70 per 100 kilos.

Aniseed.—Spanish is active, and as the stocks are very small prices have advanced to from m.260 to m.265.

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Bismuth and Bismuth Salts.—The price of metal was advanced on March 27 by about m.3 per kilo. Bismuth preparations are quoted at the following prices: From m.30 to m.32 for subnitrate; from m.23 to m.25 per kilo. for subgallate; from m.20 to m.22 for salicylate (40-per-cent.); from m.29 to m.31 for salicylate (64-per-cent.); from m.22 to m.24 for tannate.

Borax and Boric Acid have advanced further in consequence of very active demand and extreme scarcity. Consumers agree to pay practically any price that is asked. From second-hands almost chemically pure boric acid is from m.720 to m.740. Borax varies between m.520 and m.550.

Canary-seed.—Rodosto and Dutch are unobtainable and consequently the demand for Spanish is active at from m.160 to m.165.

Caraway-seed (Dutch) is from m.190 to m.200 per 100 kilos. and getting scarce.

Cevadilla is very firm; small lots have been sold at about m.4.50 per kilo. and more.

Citric Acid is higher, as all efforts for obtaining *viâ* neutral countries have failed. Quotations vary between m.15 and m.16 per kilo.

Cloves.—Zanzibar have advanced further as the demand is very active and stocks are diminishing rapidly. Fair has been sold at from m.540 to m.550.

Collodium of from 2 to 6 per cent. has again advanced by m.25 per 100 kilos.

Condurango is firm at m.125 per 100 kilos.

Elemi is advancing; first soft white has been sold at from m.375 to m.380.

Ether has been advanced by m.48.50 per 100 kilos.

Ethyl Acetate.—From March 25 the price was advanced by m.25 per 100 kilos.

Fenugreek is extremely scarce as imports have completely stopped; m.120 to m.130 is quoted.

Hydroquinone.—Makers have advanced the price by m.6 to from m.22 to m.23 per kilo.

Ipecacuanha is very firm, Rio being quoted at m.65 and Cartagena at m.60.

Kola has been sold in rather large quantities at the slightly advanced prices of from m.175 to m.180 per 100 kilos.

Lead.—Beginning with April 1 official maximum prices were fixed for lead in any form. Lead Preps. have advanced by m.5 again by the Syndicate. Pure white lead is m.118.50.

Shellac.—Prices for TN are much dearer. Lemony lacs are quoted at about m.800. AC Garnet is from m.730 to m.740.

Silver Nitrate is scarce and is from m.86 to m.88 per kilo.

Tartaric Acid.—Demand is increasing rapidly and prices are advancing daily. Crystal or powder is from m.13 to m.13.75.

Thymol.—Small quantities are still to be had at m.80 per kilo.

Tonka-beans.—Para have sold at from m.7 to m.7.50 per kilo.

Vanillin is still to be had at m.100 per kilo.

Waxes.—*Bees'* is quoted at about m.590. *Carnauba* is firm at advancing prices. *Japanese* is dearer from m.625 to m.630 and very scarce.

Russian Wormseed.

The following is a translation of an official document received from Mr. S. Tolkowsky (the London representative of Mr. I. L. Goldberg, Petrograd), regarding the export prohibition of wormseed:

In the collection of decrees and orders of the government of November 26, 1915, No. 337, art. 2493, it is inserted:

The IMPERIALLY sanctioned Regulation of the Council of Ministers

as to the prohibition of exportation abroad of
WORM WOOD (? wormseed)

HIS MAJESTY THE EMPEROR was graciously pleased, on the 14th day of November, 1915, by order of the Council of Ministers and on the basis of art. 87 of the fundamental laws of the Empire (Law Code, vol. I., part I., edition 1906) in modification of an addition to the list of goods exported in accordance with the General Customs Tariff for European Trade (Law Code, vol. VI., edition 1906) to decree:

The export of worm wood heads and seed, including all products thereof—not being completely finished santonine—is prohibited on the European and Asiatic frontiers.

I hereby certify that the foregoing is to the best of my knowledge and belief a true and correct translation of an original document in the Russian language.

Witness my hand and seal at Moscow this 29th day of March, 1916.

(*Signed*) Acting British Vice-Consul, Moscow.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Pharmaceutical Council Election.

Mr. R. Lord Gifford (Blackburn), a member of the Pharmaceutical Council, who has accepted nomination for re-election, says: "The work and attention given to Council business are not very obvious, because they are largely given on Committees. We must therefore be judged by results. I take my full share of responsibility, and demand due credit. I have taken the closest interest in Insurance work, and claim to represent the general chemist. I know his conditions and difficulties intimately." Mr. Gifford enlarges upon Insurance Act work, and adds: "There should be no floating sixpence. The doctor must be paid on such scale that the adequate medical service promised may be demanded. So with the chemist in every respect. It is fair to say that we were approaching towards those conditions by August 1914, but the war broke out and everything went by the board, and Insurance administration became more anxious and absorbing than ever. I have been the chemists' representative on the Blackburn Insurance Committee from the start, as well as being on the Local Association Committees, therefore feel the truth of this very keenly. Another main reason I have for seeking a renewal of confidence lies in the business aspect of pharmaceutical affairs. The patent-medicine trade has become an abomination, and must be dealt with." Mr. Gifford mentions the Departmental Committee's Report, suggests that the P.A.T.A. cannot deal with it, but the Pharmaceutical Society can; and he adds that Sir Henry Norman, Chairman of the Committee, will see that the Report does not become a dead letter.

The Recent Strike in Liverpool.

Mr. W. H. Saunders, chairman of Ayrton, Saunders & Co., Ltd., Liverpool, informs us that the strike of his company's employés, as reported in the *C. & D.*, April 22 and 29, is now at an end. He thanks all who have sent friendly letters to the firm, and gives a full explanation of how the matter arose, besides subsequent events to the settlement. The strike was arranged by a "drug union" which, after some months' negotiation with A. & S. employés, interviewed the directors of the company and, among other things, suggested that they should bring pressure to bear upon employés who had not joined the union. This the directors declined to do, and other interviews and correspondence followed until April 8, when the Secretary of the Union wrote saying that members of the Society would cease to work with Ayrton & Saunders on Saturday, April 15, at 1 p.m., "on the grounds that to safeguard their own interests they on their part are no longer prepared to work with non-union labour." This week's notice was duly gone through, and on Monday morning, April 17, the directors found that 299 of their employés came in and 264 went on strike, as reported in the *C. & D.*, April 22, p. 66. The situation was very acute and remained so for a fortnight: police, both in uniform and plain clothes, were in attendance, and large numbers of Union pickets were placed at various points with the object of using every means to prevent business being carried on. The directors had the greatest difficulty in getting out goods handled by railway employés, and had to engage additional carts to do their own carting. Considerable trouble was also experienced in obtaining coal, as carters refused to handle coal for a firm in whose business a strike was on. Two Liverpool drug-houses with whom for many years the most friendly conditions existed were obliged, as their entire staffs were Union men, to refuse A. & S. enclosures and orders, so that business relationships with them had to cease. The directors were able to replace day by day many of the absentees, and at the expiration of the first week the strikers came back by twos and threes, so that now the staff is quite complete and business is going on as usual. The directors desire to thank their friends all over the country for the sympathy, kindness, and forbearance extended to them.

The Pharmaceutical Society and Dispensing-fees.

Sir,—The Pharmaceutical Society's Charter precludes its entry into the business of pharmacy, and it is fairly certain that any deliberate attempt at this would have a

detrimental effect, as witness the action of the Privy Council in regard to tr. opii, B.P. 1914. At present Insurance dispensing is a professional occupation, and the chemist is paid simply for services rendered, the establishment-fee being merely for out-of-pocket expenses. So long as this state is retained the relations and negotiations of the Pharmaceutical Society with the Insurance Commission cannot affect the Charter. As the Pharmaceutical Society is the only body so constituted as to claim to represent the interests of the pharmacist, every Councillor will be well advised to make it his duty to support the professional side of pharmacy by endeavouring to increase dispensing-fees. Assuming, for argument's sake, that the Pharmaceutical Council decides to withdraw service of chemists as dispensers to the nation unless an increase of professional payment is secured, it will be necessary to show that 2*s.* per hour is not a reasonable remuneration. I could say much about the "business" and "professional" parts of pharmacy, but anything that can be said must lead to a consideration of how pharmacy is to be affected by Insurance dispensing. I submit that the "professional" direction means thorough education, better remuneration for Insurance dispensing, and higher education under the Pharmacy Acts. The "business" side excludes these, in a measure, and we must see that the Pharmaceutical Society does not attempt to apply the conditions to the business side, but confine itself strictly to the professional.—Yours truly, N. H. I. (206/40.)

Military Hospital Dispensers.

Sir,—To those men who are able to look ahead your editorial on military hospital dispensers must cause serious apprehension. One must not be too hard on the Army Council, as they or their advisers are well aware of what the mere dispensing is until individuals have proved their real worth to the medical officers. We claim to be the real men for dispensing, but the significance of "men who operate *x*-ray apparatus or have specialised in certain branches of knowledge—*e.g.*, clinical chemistry—are to be retained, but the decision in all cases rests with the Officers in Command of the hospitals," must strike every thinking man. I do not hesitate to blame our own Pharmaceutical Council for this state of affairs. We are turning out men at the present time on an antiquated syllabus of study, and have altogether neglected the changes that have come over medical methods. There are nineteen men in the retail, one in the wholesale, and one a teacher in our Council, and, though I doubt not they are the best of their class, they have not quite the same intimate acquaintance with the changes that have taken place and are taking place as those more closely connected with public hospitals. They go further, and refuse recognition to anyone who dares to think he could indicate to them a line of action which would do more good to pharmacy and the desired status than half-a-dozen Insurance Acts. The fact is, pharmacy has for some time been obsessed by N.H.I., and before that it was quite disorganised and thereby allowed opportunities to slip that will never return. There are plenty of men throughout the country who are doing well as clinical chemists, and find it pays better than worrying over margins of profit on N.H.I. or even proprietary articles, but they have had to gain their knowledge in post-graduate studies. Medical men know more about clinical chemistry and the like than pharmacists, but anyone who has seen them at work will readily concede, as they do very largely themselves, that it is better done by the men who have specialised. Even if a man does not practise it, it is all to the good that he knows how and can converse with the clinician intelligently. It is indeed a straw which shows the way the wind blows. If the pharmacist desires to occupy his rightful place, he must be, like his Continental *confrères*, something more than a dispenser of medicine.

16 Priory Gardens, Highgate, N. Herbert Skinner.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

The "Chemist and Druggist" is

"More than ever necessary to chemists these times of changing and increasing prices Has saved me *many shillings.*" So says *A. F.* (37/30).

The Latest about Shortage of Bottles.

Time: Good Friday afternoon. Chemist enjoying his post-prandial nap. Violent ringing of urgent-medicine bell. Chemist pulls himself together and descends to side door. Small boy (tugging empty medicine-bottle from his pocket): "Please will you give me a ha'penny on this bottle?"—*Curtain* (199/9).

Substitutes for Cream of Tartar.

T. L. (187/14), in thanking us for information regarding tartaric acid, adds: "Doubtless you know that cream of tartar is very largely being supplanted by acid calcium phosphate for baking-powder and self-raising flour purposes owing to the exceeding cheapness of the phosphate. This ought to have, and most likely has, a depressing effect on the prices of both these."

The Insurance Act.

"The original idea was to establish a number of dispensaries all over the country. The cost was found to be prohibitive. Luckily the chemists came to the rescue, and, by pledging their credit, put the Bill on a firm footing. The present policy is quietly to squeeze them out and bring back the original idea. If it is not, then the present system is doing so, which cannot be denied."—*T. Bidie* (Banbury).

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

Max (204/67).—A contractor to an Insurance Committee can supply insured persons with British Pharmacopœia mixtures ordered by a panel doctor. The question whether or not such a mixture has to be dispensed depends upon circumstances which are not mentioned by you.

Cymro (204/27).—The duty on aërated soda-water is 8*d.* per gal., and on lemonade 4*d.* per gal. You will find full information in the *C. & D.*, April 22, p. 91. The manufacturers' advance on 30-oz. syphons is 1*s.* 9*d.* per dozen at least. As a manufacturer you have to get a licence from your local Excise office, and this will mean that the Excise will see that you pay on what you make.

South (202/35) sends us a carton for "Compound Blood-purifiers" containing sulphur and cream of tartar, and asks if they are liable to stamp-duty. [The title "Compound Blood-purifiers" creates by itself liability to stamp-duty, but our correspondent, being a registered chemist and druggist, has the benefit of exemption, and if sulphur and cream of tartar are the sole medicinal agents in the purifiers and are declared, he may sell them without stamping.]

Glycerin (205/55).—It is perfectly legal to use glycerin for medicinal purposes as covered by doctors' prescriptions and British Pharmacopœia preparations, or any others authorised by the Ministry of Munitions. You may take it that if glycerin itself is prohibited from being used for any purpose it would be wrong to use glycerin of borax or glycerin of carbolic acid for such purpose. We consider that if the use of glycerin in a proprietary cough-mixture is not permitted, it would not be legal to use glycerin of borax instead.

J. E. L. (205/25).—The five-guinea licence-duty on soda-fountains, contained in Clause 8 of the Finance Bill, was deleted during the Report stage (see *C. & D.*, April 22, p. 91, second column). It is understood that an Excise Committee, acting along with representatives of aërated-water interests, is to devise a scheme whereby the aërated water made in a soda-fountain will pay duty according to the composition of the water, at the rate of 4*d.* or 8*d.* per gal., and the owners of such machines must take out the annual licence of 10*s.* provided in the Bill.

Salol (204/64).—A bought goods from B, and, upon receipt of them, sent a "repeat" order, which B accepted in a note stating that the order was having his best attention, and that the goods would be forwarded as soon as possible according to instructions. Three days later A sent a further order for a smaller quantity of the goods at the same price. B replied that the price had advanced, and A immediately withdrew the second order. B declines to execute the repeat order except at the higher price. Is A entitled to delivery of the goods at the original price? [We are of opinion that A can enforce performance of the repeat order at the original price if the value of the goods is under 10*l.*, but that if the value is not under that amount A can only do so if B's acceptance of the order constitutes a sufficient "note or memorandum" to satisfy the Sale of Goods Act, 1893, which can only be decided by seeing the document.]

Subscriber (202/39) asks whether or not an unqualified man can dispense Insurance prescriptions for him during his absence on military service. [Our correspondent's contract with the Insurance Committee embodies the condition that all prescriptions shall be dispensed by a registered chemist, or by a person who, before the Insurance Act passed, had been employed for three years as dispenser to a doctor. The

Assistant's certificate of the Society of Apothecaries is also recognised, and if the unqualified man has it he can dispense Insurance prescriptions, but if any of these prescriptions contain scheduled poisons he is liable to be fined under Section 15 of the Pharmacy Act, 1868. If a registered chemist who is a friend of "Subscriber's" is to supervise the business during his absence, that may make its conduct all right so far as the Pharmacy Act is concerned, but no poisons can be sold or dispensed unless he is present.]

J. P. C. (201/15) is a registered chemist and druggist employed by a retail pharmacist, who has helped our correspondent to get exemption, under the Military Service Act, from engagement in the Army, the certificate of conditional exemption being to the effect that it holds good so long as our correspondent "remains in his present occupation." We are asked if this means that our correspondent is compelled to remain in his present employment, or can he transfer his service to another shop? [We consider that the word "occupation" does not mean "situation," but that his exemption will last as long as he is employed as a chemist and druggist in a retail pharmacy. If our correspondent removes from the district where he is at present employed into another district where the military authorities may ignore his conditional certificate, he will have the trouble of going over the whole work again, and without the assistance of his present employer he is likely to be considerably inconvenienced.]

Miscellaneous Inquiries.

W. A. R. (199/46).—Turpethum was in the Additions to the British Pharmacopœia, 1867. It consisted of the dried root and stem of *Ipomœa Turpethum*. It is commonly known as Tampico jalap, and the dose is 5 to 20 grains.

Esor (203/40) has his Shop Infested by Flies, apparently owing to neighbouring premises being exceptionally hot. He wants to know how to get rid of them. [He must rely largely upon mechanical means, chiefly sticky fly-papers, preferably in strips suspended from the ceilings. A certain advantage is afforded by formalin solution exposed in shallow trays near the part of the shop where the flies enter. In India a mixture of formalin 1 oz., milk and water, of each 8 oz. is used for this purpose. The mixture is poured into shallow plates, and a piece of bread placed in the centre of each plate, when the flies alight on the bread and shortly afterwards die, being poisoned by the mixture.]

C. S. (204/68).—Tank Development.—We do not know the composition of the Kodak powders used in tank development, but the following have been employed with success:

A.	Pyrogallol	44 gr.
	Sodium sulphite (anhydrous) ...	132 gr.
B.	Sodium carbonate (anhydrous) ...	88 gr.

These powders are dissolved in 36 oz. of water, and at a temperature of 65° F. ten minutes is required for development. With double the quantity of water twenty minutes is needed. A quinol developer can be devised on the same model.

T. S. (196/40).—Radium Salts are only bought and sold on certificates of purity (see *C. & D.*, June 20, 1914, p. 50). The price depends upon the degree of concentration and freedom from mesothorium or other short-lived radio-active substances. W. Martindale, 10 New Cavendish Street, London, W., or Mr. F. H. Glew, 156 Clapham Road, London, S.W., would give you expert advice on the matter.

W. S. S. (Gambia) (189/33).—We cannot undertake to send you samples of hair-restorers. There are several advertised in *The Chemist and Druggist Diary* (see the "Buyers' Guide"), and any of these you could obtain direct or through your London wholesale house.

Beeswax (202/24).—Beeswax is not considered to have any definite medicinal properties, although it was formerly given internally as a soothing and protective preparation for inflamed surfaces. The dose prescribed by Fuller was 2 to 3 drs., and there were also emulsions and electuaries for internal use. At present wax is occasionally employed in the preparation of pills and suppositories. Beeswax is, we should say, quite harmless when taken internally, but care should be exercised that no hard paraffin is present as an adulterant.

E. D. H. (172/11).—Ganot's "Physics" (Longmans, Green & Co., 15*s.*) is probably the most suitable for your purpose.

E. S. B. (193/30).—Flavouring-essences.—So far as we are aware, none of the formulæ to which you refer has been published. The following are, however, the main constituents: *Butter flavour*—Butyric ether, myristic acid, and coumarin in a glycerin basis. *Maple flavour*—Œnanthylic ether and ethyl citrate in a caramel-coloured spirituous base. *Roman punch flavour*—Oil of cognac, butyric ether, acetic ether, and essence of vanilla in a spirituous medium.

R. W. P. (196/51).—Analysis of Oils and Fats.—The most recent work is Vol. I. of Lewkowitsch's "Chemical Technology and Analysis of Oils, Fats, and Waxes" (Macmillan, 25*s.*).

J. P. (205/12).—Some iron-scale preparations tend to become insoluble on keeping and on exposure to light. You should communicate with the wholesale house from whom you obtained the preparation.

Saline (190/69).—The Saline which has lost its effervescence could be utilised as the diluent of a new batch. It would require to be well dried and the new mixture of sodium bicarbonate and tartaric acid incorporated, omitting the usual diluents.

C. R. (191/40).—Distillation in Vacuo is explained in "The Art of Pharmacy" (*Chemist and Druggist Diary*, 1898), and in works dealing with chemical engineering—*e.g.*, Davis's "Handbook of Chemical Engineering" (Davis, Manchester, 2 vols., 42*s.*). You do not give sufficient details of what you require to do to enable us to advise you—"an essence" and "a mixture" are too vague as indicating the nature of the work you wish to accomplish.

T. H. W. (191/18).—The Manufacture of Lanoline was described in the *C. & D.*, January 9, 1915, p. 60, and March 30, 1915, p. 47. We cannot repeat the information yet awhile.

T. D. (192/50).—Glycerin-substitute.—You might experiment with saturated solutions of calcium chloride or magnesium chloride as substitutes for glycerin in the copying-graph, with or without a proportion of liquid glucose.

J. K. (186/14).—Waterproofing Starched Linen.—We gave a note of half-a-dozen processes for this in the *C. & D.*, October 5, 1912, p. 72, which is too long to reproduce. Practically the methods involve the incorporation of a cellulose solution with the linen. You could start your experiments by employing collodion or a solution of pyroxylin in amyl acetate, immersing the linen in the liquid.

F. J. (183/9).—We cannot undertake to supply formulæ privately, even for a fee, as you suggest.

J. S. (179/26).—(1) Constipation-herbs:

Fennel	1 oz.
Cream of tartar	1 oz.
Elder-flowers	2 oz.
Aniseed	2 oz.
Senna-leaves	4 oz.

Make an infusion (1 in 20), and administer in doses of a wineglassful.

(2) Henna Shampoo-powder:

Dried sodium carbonate ...	ʒiss.
Dried curd-soap	ʒiss.
Powdered henna	gr. x.

Make into a powder, which is used with a pint of water as a shampoo for regular washing of the head.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," May 15, 1866.

An Irish Sanatorium.

A great novelty has just been introduced by one of the leading Dublin hospitals. The managers of St. Vincent's Hospital, Stephen's Green, have purchased the splendid residence known as Lyndon Castle, Blackrock, for the purpose of converting it into a sanatorium, to which they will send the convalescent patients to enjoy the benefit of country air, sea-bathing, etc., previous to returning to their homes. This is the first sanatorium ever established in Ireland. The example is well worthy of imitation, for there are other hospitals in Dublin which, from their less favourable situation as to pure air, require such an appendage much more than St. Vincent de Paul's.

GRIPE WATER

REGISTERED TRADE MARK
No. 100.

The Remedy always in Popular Demand

Minimum Retail Protected Price,
1/1 PER BOTTLE.
1 Gross Bottles,
122/- NET CASH.

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will be sent with orders for 1 Gross of Bottles. Carriage Paid.

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W. WOODWARD, Ltd., NOTTINGHAM

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Messrs. WOODWARD consign to MAY, ROBERTS & CO., Ltd., DUBLIN,
who distribute to the Trade on their behalf.
One gross (unstamped) 108/- ; smaller quantities, 10/- per dozen.

HUBBUCK'S PURE OXIDE OF ZINC.

Sold by the following Wholesale Druggists in Boxes of 7 lbs. and 14 lbs. stamped by the Manufacturers; also in 1-lb. Boxes and 1-lb. Glass Bottles:—

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Butler & Crispe
Clay, Dod & Co.
Cockburn & Co. (Lim.)
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Evans, Gadd & Co.
Evans Sons Lescher & Webb (Lim.)
Ferris & Co.
Gale & Co.
Glasgow Apothecaries' Co.
Glasgow New Apothecaries' Co.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan (Lim.)
Harkness, Beaumont & Co.
Hatrick, W. & R., & Co.
Hirst, Brooke & Hirst.
Hodgkinson, Prestons & King.
Hodgkinsons, Clarke & Ward.
Horner & Sons.
Huskisson, H. O., & Co.
Inman's Stores (of Edinboro').
Ismay, John, & Sons
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Oldfield, Pattinson & Co.
Pinkerton, Gibson & Co.
Raimes, Clark & Co.
Raimes & Co.
Rankin & Borland.
Silversides, R. B. G.
Southall Bros. & Barclay
Sumner, R., & Co.
Taylor, James.
Thompson, John (Lim.)
Willows, Francis, Butler & Thompson (Lim.)
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Finlay & Branswig, New Orleans.
Langley & Michaels, San Francisco.
Lehn & Fink, New York.
McKesson & Robbins, New York.
Muth Brothers & Co., Baltimore.
Roller & Shoemaker, Philadelphia.
Schieffelin, W. H., & Co., New York.
Shoemaker, R., & Co., Philadelphia.

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Potass. Brom. P.B., 7 lbs. @ 23/- lb.
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Potass. Cit., B.P., 7 lbs. @ 6/- lb.
Potass. Cyanidum, 98%, 7 lbs. @ 3/8 lb.
Potass. Iod., P.B., 14 lbs. @ 15/3 lb.; 3 lbs. @ 16/- lb.
Potass. Metabisulph., 7 lbs. @ 2/9 lb.
Potass. Permang., Cryst., 2 lbs. @ 8/9 lb.
Potass. Prussias Flav., 7 lbs. @ 4/6 lb.
Pulv. Cretæ Arom. P.B., 14 lbs. @ 8d. lb.; c. Opio, B.P., 7 lbs. @ 2/6 lb.
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 74/- cwt.
Pulv. Ipecac. Comp. P.B., 1 lb. @ 7/6 lb.
„ Jalap Comp. P.B., 1 lb. @ 2/1 lb.
„ Rhei Comp. P.B., 1 lb. @ 1/6 lb.

Quassia Chips, 1 cwt. @ 34/- cwt.; 28 lbs. @ 4½d. lb.
Quinine Bisulph., 10 oz. @ 4/3 oz.
Quinine Ethyl Carb. (Tasteless), 10 oz. @ oz.
Quinine Hydrobromas, B.P., 25 oz. @ oz.; 10 oz. @ oz.
Quinine Hydrochlor., B.P., 25 ozs. @ 5/- oz.; 10 ozs. @ 5/2 oz.
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Rad. Jalap, English Ground, 28 lbs. @ 1/6½ lb.; 7 lbs. @ 1/8 lb.
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Resorcin, B.P., 1 lb. @ 82/- lb.

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Salicinum, B.P., 1 lb. @ 22/6 lb.
Salol, B.P., 1 lb. @ 51/- lb.
Sang. Draconis, pulv., English ground, 7 lbs. @ 2/10 lb.
Santoninum, P.B., 16 oz. @ 165/- lb.
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45 gross of 2 oz.	30 gross of 3 oz.
20 gross of 4 oz.	25 gross of 6 oz.
25 gross of 8 oz.	10 gross of 10 oz.

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50 gross 3 oz. plain	30 gross 8 oz. plain
50 gross 4 oz. plain	20 gross 8 oz. 8 parts
45 gross 6 oz. plain	300 gross 8 oz. tablespoon
130 gross 6 oz. tablespoon	20 gross 12 oz. plain
24 gross 6 oz. 6 parts	20 gross 12 oz. 12 parts

20 gross 12 oz. tablespoon

AMBER LIMES

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FOR DELIVERY WITHIN ABOUT 21 DAYS.

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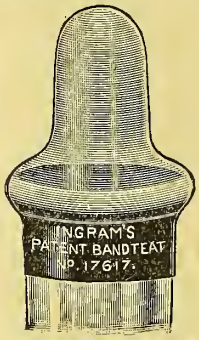

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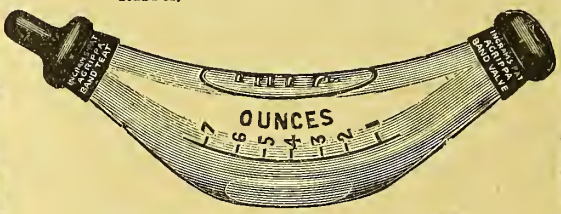

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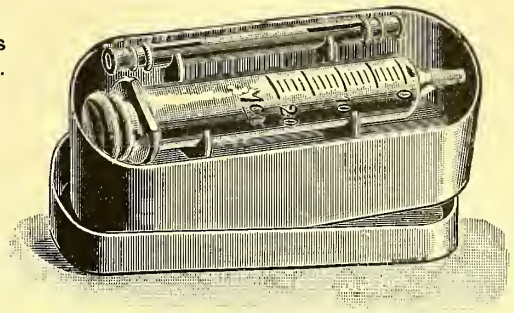

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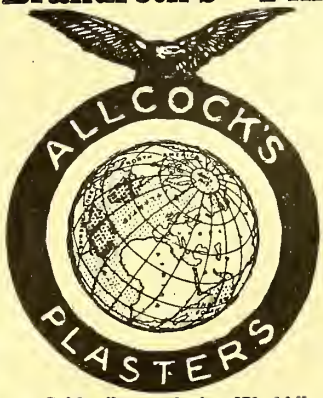

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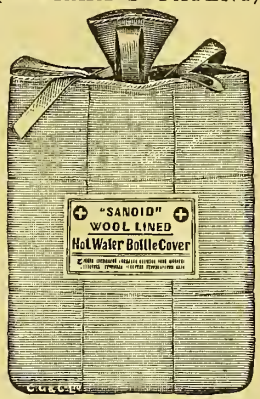

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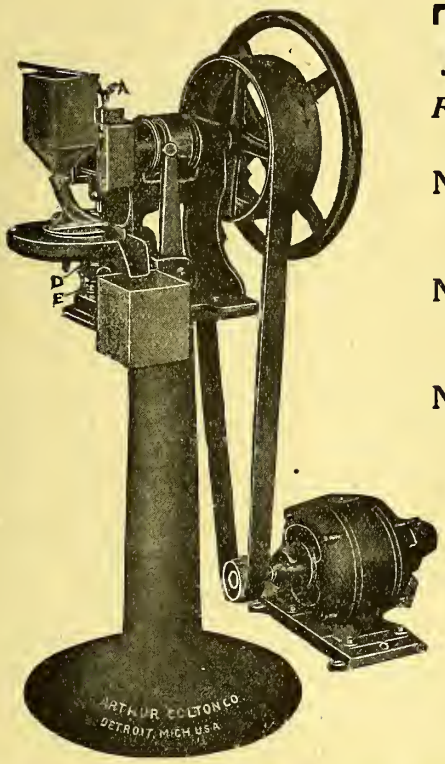

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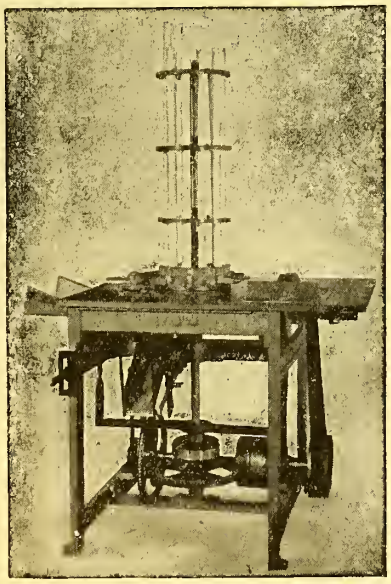

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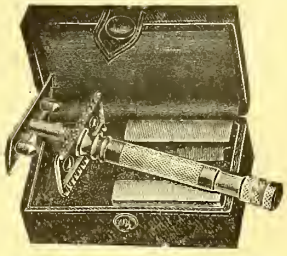

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Very neat, simple, and efficacious, **7/6** per gross net, carriage paid. Two gross lots and up **7/-** per gross, carriage paid. Cash with order.

TUNBRIDGE & WRIGHT'S

Cemetery Fly Band

The neatest; simplest, and cleanest of all band catchers. Packed in boxes containing three dozen. **8/-** per gross net, carriage paid. Cash with order.

TUNBRIDGE · & · WRIGHT

READING

London Depot—*46 FARRINGDON STREET, E.C.*
N. of England—*4 Gallowgate, NEWCASTLE-ON-TYNE.*
Telegrams: "FLIES READING." Telephone: 496 Reading.

IT SELLS ITSELF !

THERE ARE NO FLIES ON

Flysol

IT KEEPS OFF FLIES, GNATS, MOSQUITOES, and other winged insects

Retails at **4½d.** per Tube.

YOU can do big business with FLYSOL this season anywhere, particularly in MILITARY DISTRICTS, GOLFING, FISHING, &c., CENTRES, and at HOLIDAY RESORTS. INVALUABLE IN TROPICAL CLIMATES. Send a trial order to your Wholesaler.

SAMPLE and TRADE TERMS of
LYSOL Ltd., Warton Rd., STRATFORD, E.

THE "EXTIRMO" FLY CATCHER

Retailers should book their orders now. Owing to the restricted output orders will be attended to in rotation.

Write to-day for prices and sample of the "Extirmo" Fly Catcher—2 in. tape, 30 in. long.

The "EXTIRMO" FLY CATCHER embraces all the **good** qualities of Catchers, eliminates all **bad**, and adds **improvements**. It is, in fact, the 1916 Catcher. British made throughout.

Manufactured by

EXTIRMO, LTD., School Street Works, HULL.

THE WAR OFFICE HAS AUTHORISED the use of

"VERMIJELLI"

by the Troops, after very exhaustive investigation by the R.A.M.C., on the relative values of Vermicidal substances.

NON-POISONOUS. NON-INFLAMMABLE. MIXES WITH WATER.

The efficacious preventative and remedy for Lice, Fleas and other vermin.

Wholesale from *Sole Manufacturers*:—

S. BOWLEY & SON, Wellington Works, Battersea Bridge, London, S.W.

Prices: 1 lb. Tins ... 1/- each ... ... 1/5 each } Post paid in U.K.
7 lb. ,, ... 6/9 ,, ... 7/9 ,, }
Collapsible Tubes 1/- ,, ... 1/4 ,, }

By Royal Warrant to H.M. The King.

By Royal Warrant to H.M. The King.

Only ONE Address.

DAY & SONS, CREWE. LTD (CREWE)

ESTABLISHED 1840.

HORSE, CATTLE, SHEEP & DOG MEDICINES.

Only ONE Address.

LARGEST SALE IN THE WORLD.

DAYS' BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

Price 1/8 per bottle.

DAYS' HUSKOLEIN.

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle.

DAYS' "ZOMO-SAL."

For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-

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OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

DAYS' OILS

(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

2/6 and 6/- per bottle.

DAYS' WHITE OILS.

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.

DAY & SONS' "ORIGINAL" MEDICINE CHESTS

Price £1 4s., £2 4s., £5, and £10 10s.; Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

When Ordering Please State Requirements.

The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

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DAY & SONS, CREWE, LTD.,

CREWE, ENGLAND.

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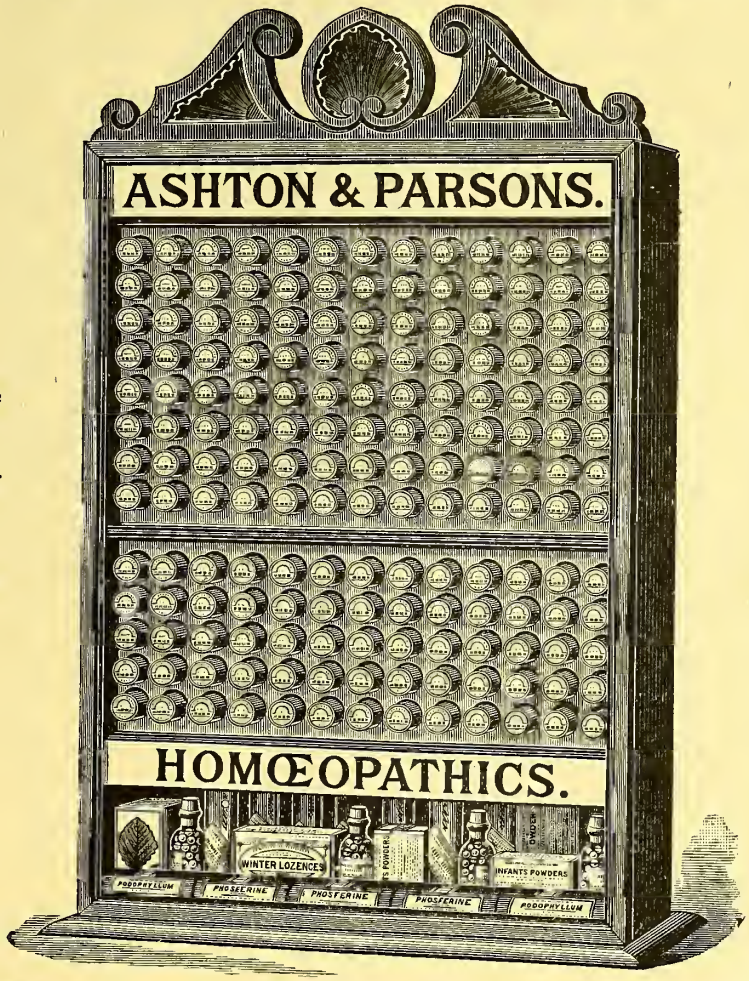

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PRICE - - 18/-

ASHTON & PARSONS supply their Showcases at actual cost price No need to purchase a large quantity of unsaleable stock to obtain a so-called "free" Showcase.

WRITE FOR ILLUSTRATED LIST, POST FREE.

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.

MODERN PHARMACEUTICAL PRODUCTS

SACCHARIN

Highest possible strength 550 times sweeter than cane sugar.
500 Soluble. 450 Crystals. 330 & 300.
All strengths supplied duty paid or in bond for export.

TRIVALIN

The substitute for Morphia.

Specially recommended in Painful Dressings, Inoperable Cancer, Gall Stone, Sciatica, Neuralgia, Etc. In Ampuls for Hypodermic Injection, and in coated Tablets for internal administration.

NOVOCAIN

The non-irritant Local Anæsthetic, contains no Cocaine.
(Awarded Gold Medal XVIIth International Congress of Medicine, 1913.)

Owing to the large requirements for the Army and Navy, Novocain can at present be obtained only through the Government Departments, the whole output having been placed at the disposal of

H.M. GOVERNMENT.

"CIBA" PREPARATIONS

Phytin	Digifolin	Dial	Elbon
Fortossan	Peristaltin	Lipoiodine	Menthescin
Ferrophytin	Euclottin	Vioform	Yohimbine

Prices and Literature on application.

The Saccharin Corporation, Ltd.,
PHARMACEUTICAL DEPT.,
36 & 37, QUEEN STREET, CHEAPSIDE, LONDON, E.C.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, MAY 6, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.** Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. **Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London."** (Three words counted as two.)

BEST RESULTS EVERY WEEK!

This is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—GREAT CENTRAL MAIN LINE.—Good-class Country Business, Retail and Dispensing, together with Wines and Spirits; returns £2,000; *net profit* £350 *to* £400; rent £70; new lease, or freehold can be had; there is a good steady trade all the year round; comfortable residence, garden and sheds; terms, valuation of stock and fixtures; has not changed hands for upwards of 35 years; illness reason for disposal; part payment.

2.—LONDON (West End).—Dispensing Business, situate in the best part of shopping district, and returning upwards of £1,700 yearly at good prices; terms, goodwill and lease £300, stock and fixtures at valuation; premises are held on long lease at a rental of £110, of which £50 is sub-let.

3.—HIGHGATE (Near).—Valuation of stock and fixtures and small premium for goodwill; a good but neglected business, returning under Assistant £1,270; *gross profit* £508; books audited by accountant and stock valued annually.

4.—LONDON, S.E.—Ready-money Business, in main marketing thoroughfare; returns £700 (about) under unqualified management; moderate rent with lease; price £275, or prompt offer; roomy shop, well fitted and stocked, with residence attached.

5.—MAIN THOROUGHFARE AND IN BUSY PART OF S.W. LONDON.—Retail and Dispensing Business; returns £1,000; *net profit* £300; full investigation permitted; terms, about the value of stock and fixtures.

6.—SHEFFIELD.—Vendor will accept £350 or near offer for early release; established business; present hands upwards of 50 years; returns £500; *net profit* £180; death cause of sale.

7.—KENSINGTON (Death Vacancy).—Essentially Dispensing and good-class Family trade; returns £1,000 yearly; *gross profit* £500, present rate less; well-fitted shop and residence, held on long lease; first reasonable offer accepted.

8.—MIDDLESEX (Eight Miles Out).—Retail and Dispensing Business, in best position in increasing district; returns over £1,500; *profit* £400 *to* £450; terms, small goodwill and valuation.

9.—KENT (Within Easy Distance of London).—Retail, Dispensing, and own Proprietaries; position is good and returns can be much increased, present rate about £1,080, with *net profit* £300; price about £950.

10.—SUSSEX.—Good-class Dispensing Business, with Optical connection, for Sale through death; returns between £1,400 and £1,500 yearly, present rate less; comfortable residence, with private entrance; double-fronted shop, handsomely fitted in modern style and fully stocked; will accept first reasonable offer.

11.—WESTERN COUNTY.—A good General Retail and Dispensing Business for Disposal through ill-health; returns £1,350, at fair prices; good residence with garden attached; vendor will accept any reasonable offer.

12.—YORKS (Seaport Town).—For valuation of stock and fixtures and £50 for lease and goodwill, a good ready-money Business; returns £2,000; *gross profit* 34 *per cent.*; rent only £40; prompt sale desired through ill-health.

13.—SUSSEX.—First-class Country Retail and Dispensing Business; returns £826, *with net profit* £300; comfortable residence with small garden; London 55 miles.

14.—BERKS (Main Line of Rail).—Old-established Light Family Retail, having very little personal attention of late owing to advanced age; returns £619; *gross profit* £338; good shop, in main thoroughfare; terms, valuation of stock and fixtures.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£500 returns.—LONDON.—Good middle-class Retail, Branch; good opening for Photo, Optics, or Dentistry; large shop; will accept £150, much less than value of stock and fixtures.

£750 returns.—NORTH MIDLANDS.—Death vacancy; good shop; large house and garden; Light Country Retail; at valuation of stock and fixtures, about £350; open to offer, as exors. want to close estate; fine chance for person desirous of nice country life.

£500 returns.—LANCS.—Middle-class Retail; very little opposition; has done double, and can again; valuation about £170.

£1,000 returns.—ESSEX.—Light Retail and Dispensing in improving district; fine double-fronted shop and good residence; price £600, or small premium and valuation of stock and fixtures.

£500 returns.—MANCHESTER (Near).—Middle-class Retail, with excellent opening for Optics; rent £28; stock and fixtures at valuation, about £250.

£1,000 returns.—LONDON.—Light Family Retail and Dispensing, increasing; ample scope for introducing Optics or Dentistry; price £400.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Recommended by— BRITISH DRUG HOUSES, LTD. MEGGESON & CO., LTD. BARCLAY & SON, LTD.

Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph.C. Tel. No. Victoria 2[illegible].

Valuer to Association of Manufacturing Chemists,

Being a Pharmaceutical Chemist with 50 years' experience of every class of Chemists' Businesses, Wholesale and Retail, town and country, Dispensing and Cash Retail, and for 40 years actively engaged in the valuation and transfer of Chemists' Businesses, invites correspondence. Vendors sending particulars of their Business do not incur any monetary liability whatever unless the business is actually sold on his introduction.

There is no charge whatever to purchasers. Every valuation is personally conducted in every detail.

Register kept of purchasers requiring Businesses and also of Businesses for Sale. No charge is made for insertion therein.

Valuations for Sale, Probate, or Account. Examinations for purchases, estimations for vendors, etc., all receive personal attention, and all charges are moderate.

Correspondents are advised to state the class of business they desire and the approximate amount of capital they desire to invest.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—HOME COUNTY (35 Miles Out).—First-class Dispensing and Retail Business in most desirable town; returns £1,200; excellent profits; plenty of scope; good house, etc.; price £700, or £100 and valuation; personally recommended.

2.—YORKS (West Riding).—Middle-class Business in large Manufacturing town; returns over £1,000; net profit £350; low rent; good premises, pleasantly situated; price £650.

3.—MIDLANDS (Death Vacancy).—Good-class Retail and Agricultural, in market town; easy hours; returns £900; net profit £300; low rent; price £425, or near offer.

4.—SHROPSHIRE (Market Town).—Sound Country Retail, Agricultural, and own Specialities; returns £500; plenty of scope; large house and garden; handsome Pharmacy; good stock; price £400, or valuation.

5.—SOUTH WALES.—Unopposed Light Retail; returns average £630; net profit £200; convenient premises; population about 8,000; price £250, £85 down, balance by easy instalments.

6.—SUSSEX (Death Vacancy).—Unopposed Business in large village; returns £250; half profit; can easily be doubled; modern house, large garden; rent £26; price £200, or near offer.

7.—LONDON, W.—Old-established Light Family Retail; now under Assistant; returns last year £1,400; net profit over £300; corner shop; good position; price £400.

8.—LONDON, S.E.—Middle-class Suburban trade; no Panel; returns £900, increasing; net profit £250; no opposition; well fitted and stocked; price £400.

9.—LONDON, N.W.—Good middle-class Retail; returns over £500; net profit £200; very low rent; no immediate opposition; military duties sole cause of sale; price £155, or valuation.

STOCKTAKING v. INCOME TAX.

Every chemist should make a point of reading page 135 in *O. & D. Diary*, which deals with the above matter, and then write for our special pamphlet and low terms.

Forty-five years' practical experience.

BUSINESSES FOR DISPOSAL.

BOLTON.—For Disposal, Chemist's Business, established 50 years; nearly all cash; a fair amount of N.H.I. Dispensing; rent £30, with good house attached; well-fitted shop and well stocked; returns £782; net profits between £250 and £260; required, £475. 35/34, Office of this Paper.

BOSTON, Lincolnshire.—The Chemist's Business of Mr. A. Mitchell for Sale; established 50 years; extensive Agricultural connection in first-class district; good premises, adjoining Cattle Market. Full particulars on application to Killingworth & Dunn, Estate Agents, Boston.

BRADFORD.—Old-established Light Retail Drug Business for Disposal at once; main thoroughfare, near Town Hall; reason, age; good opening for Panel. Particulars from "S. H.," 113 Bridge Street, Bradford.

CO. DURHAM.—Drug Stores with Wine Licence; established 12 years; doing good trade; good reason for selling; attractive shop and comfortable house; only bona-fide applicants need apply for fuller particulars; price £300. 35/35, Office of this Paper.

GLOUCESTER.—For immediate Disposal, owing to illness and advanced age, old-established Business; returns over £1,300; well-fitted corner shop; good house and garden; stock and fixtures over £1,000; price £700. Full particulars, 38/35, Office of this Paper.

LONDON District.—Good chance for qualified Chemist owing to owner being called up; returns £600; rent £33, rates £8; lease 15 years; nice house and shop; good profits; no N.H.I., under unqualified; takings could be doubled; price £100; no reasonable offer refused for quick sale; a personal visit is requested. Apply, "Surrey" (35/30), Office of this Paper.

LONDON (Attractive Suburb).—Good-class Retail and Dispensing Business in best position; good residence; with excellent opportunities for Photography and Optics; no Insurance Dispensing; last returns £875. Letters only, 36/21, Office of this Paper.

WEST Coast (Near the Lakes, Lovely Country).—Mixed Village Seaside Business; college of over 300 boys; would suit unqualified or qualified; returns £700 (about); rent £22; valuation about £420; no opposition for miles; full prices. "Nepaul" (34/10), Office of this Paper.

CASH offer wanted for Business in E.C. district, comprising shop and three rooms; every convenience; electric light throughout; £13 weekly over counter; before war 500 N.H.I. scripts weekly; five doctors within 100 yards; rent £32, rates low; for sale through owner failing to get exemption. Apply, 33/40, Office of this Paper.

DEATH Vacancy.—For immediate Disposal, genuine old-established good-class Chemist's Business in country town in the Midlands; in the hands of late proprietor 28 years; low rent; good living accommodation; no reasonable offer refused. Full particulars on application to "A. T. H." (35/7), Office of this Paper.

DRUG Stores for Disposal; under lady management; five rooms and storeroom, scullery; stables at the rear of garden let off; rent £40 and rates; man could do good business; husband at the Front; price £100, or near offer. Digmans, 153 Eardley Road, Streatham.

DRUG Stores.—£140 will purchase profitable little Business in populous neighbourhood near Shepherd's Bush; no qualified opposition; good Prescribing; very few Patents; good prices; established over 20 years; roomy house; owner taking larger business. 208/22, Office of this Paper.

GENUINE offer; N. London; Drug Stores, etc.; cash trade; in same hands 22 years; returns over £800; ill-health cause; good position; low price for quick sale, say £200; nice house and shop; no National Insurance; would increase under qualified management. 32/15, Office of this Paper.

HIGH-CLASS Dispensing Business for immediate Disposal; prosperous London suburb; returns £1,300; profits 45 per cent.; rent £52; proprietor enlisting; no reasonable offer refused. 35/2, Office of this Paper.

OLD-ESTABLISHED, good-class Family and Retail Business in attractive Midland city; Post Office attached, which more than pays rent; bona-fide applicants with £500 capital only considered. Apply, "Executors" (24/30), Office of this Paper.

SHOP (well fitted) to Let, in rising suburb, main road, 8 miles London; rent £36; price for goodwill and fittings £25, worth double; good opportunity. R. T. Wreathall, 8 Princes Street, Westminster, S.W.

WAR Bargain.—Exceptional opportunity of acquiring well-recommended Country Business, reduced through neglect and want of capital, but affording unusual facilities for speedily rebuilding a formerly prosperous business for small outlay; large, handsomely fitted shop, working stock, house and garden attached; rent covered by Dispensing appointment; price £175. "Cambs." (35/23), Office of this Paper.

WAR Opportunity.—Thriving Business in pleasant industrial town in Kent, 50 miles London; highly profitable; turnover £800 (under manager), increasing; excellent opening for Dentistry, Optics, and Photography; no opposition whatever; large panel; price £350 for immediate sale. 35/5, Office of this Paper.

£50.—FOR Sale, through death of owner, in beautiful village six miles from Cathedral town, unopposed Prescribing and Retail; large district from which to draw; exceptionally low rent. 38/17, Office of this Paper.

FOR SALE.

FOR immediate Disposal, the complete Stock of a small shop; value about £90; the first reasonable offer accepted; Drugs by best makers, all guaranteed as supplied. 37/8, Office of this Paper.

FOR Sale, second-hand Calandria Copper Vacuum Pan; barrel 5 ft. dia. by 7 ft. high; complete as erected; gauges, test-cocks, sight glasses as they stand; inspection in London. Apply, Andrew Brown & Co., 118 Cannon Street, London, E.C.

OFFERS wanted for 18 lb. Potass. Permang., 1 lb. Antifebrin, 8 oz. Guaiacol Carb., 8 oz. Quinine Sulph., 1 lb. Mannite, 8 oz. Salol, 1 oz. Morphia Hydroch., 1 oz. Codeine Phosph., 12 oz. Sulphonal, 1½ oz. Santonini, ʒj. Atropine, ʒj. Atropine Sulph., 1½ lb. Urea, 1 lb. Potass. Ferricyanidi, 200 Phenacetin, 5-gr. Tabloids, 1 lb. Sodii Benzoin. Jean, Chemist, Jersey.

SELLING through War.—Remington No. 10 Typewriter, latest visible, two colours, Backspacer, Tabulator, and all latest fittings; cost £25; practically unsoiled; sacrifice £13 10s.; also Remington No. 7, in perfect condition; £6 10s. or near offer; approval with pleasure; owner called up May 21 under Derby Scheme. White, Arcade Chambers, Northampton.

TO LET.

SHOP, vacant, to Let; rent £35; main thoroughfare; large plate-glass window; side entrance; Dispensary badly wanted; opening for Doctor and Chemist; working-class neighbourhood; 162 Penge Market, Maple Road, Penge, S.E.; seen any time; key at No. 156. "Landlord" (letters only), 180 Vauxhall Bridge Road, Pimlico.

TO Let, in Broad Street, Knighton, Radnorshire, capital House and Shop, recently rebuilt; good frontage and with every modern convenience; good opening for Chemist and Druggist. Apply to Mr. E. L. Wallis, Solicitor, Hereford.

AGENCIES.

PRINCIPAL of Wholesale Honey and Beeswax House is open to Represent good House for Sale of Chemicals, or Proprietaries, for Chemist, in South Wales and West of England; five days a week. State salary and particulars "Bees" (196/2), Office of this Paper.

PROGRESSIVE firm are open to undertake an Export Agency for English Manufacturers of Fine Chemicals, Drugs, etc.; splendid connection amongst Shippers and with all Wholesale Druggists in British Colonies and other countries. Write, 203/49, Office of this Paper.

SITUATIONS OPEN.

2s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RETAIL.

BATH.—Davies & John require an Assistant with experience in high-class business; over military age, or otherwise ineligible; reasonable hours.

BIRKENHEAD.—An experienced Assistant wanted for a General Retail business; ineligible. Full particulars to William Snow & Sons, Price Street, Birkenhead.

BRISTOL.—Unqualified, young Assistant wanted, ineligible for Army; must be trustworthy and have satisfactory references; outdoors; no Sunday or night duty; easy hours; good salary to right man. Strode, Cosh & Penfold, Lower Union Street, Bristol.

BRISTOL.—Assistant wanted, Junior or otherwise (ineligible), for Dispensing and Photographic business. Apply, stating age, height, salary required, experience, and references, to F. Moss, 206 Redland Road, Bristol.

DARLINGTON.—Assistant required; abstainer preferred. Apply, stating age, height, experience, and salary required, to Waters, Chemist, Darlington.

EASTBOURNE.—Assistant; good all-round man and reliable Dispenser; over 45 years of age preferred. Geo. A. Harmer, South Street, Eastbourne.

EASTBOURNE.—Wanted, a qualified Locum for two days, May 17 and 18, while attending Conference; the first day is the early-closing day. Send references, stating age and remuneration required, to D. Marchant, 1 Rockingham Place, Eastbourne.

GLOUCESTER.—Unqualified Assistant; outdoors; good appearance and address; for Light Retail and Dispensing business; ineligible. State age, height, salary, with photo, Ward & Woodman, Gloucester.

HEREFORD.—Lady Dispenser wanted at once; must be quick, accurate, and a good writer. In replying state age, height, salary required, references, and enclose photo to Chave & Jackson, Ltd., Chemists, Hereford.

HULL.—Qualified Manager required for progressive business; must be well up in Store trade and Photography; liberal interest in profits offered to the right man. 33/28, Office of this Paper.

KNIGHTON, Radnor.—Wanted, a competent Assistant (ineligible) for good Country business; moderate hours; very healthy locality. Give full particulars, age, salary, references, and say if married or single, good house attached, suitable for married man, Joseph Blower.

LEAMINGTON.—Junior; indoors. Apply, with usual particulars, J. Price, 42 Bath Street, Leamington.

LIVERPOOL.—Junior Assistant or Improver, accustomed to high-class Dispensing business. Apply, stating full particulars, to Buck, Chemist, 179 Bedford Street, Liverpool.

LLANDUDNO.—Wanted immediately, lady Assistant with good Dispensing and Retail experience. State all particulars, with photograph, to Miss Horniblow, Pharmacist, 4 Queen's Buildings, Llandudno.

LONDON HOSPITAL, Whitechapel.—Dispenser wanted for duration of the war; lady (or gentleman if ineligible for military service); Minor qualification. Apply by letter, or personally any morning between 11 and 12 o'clock, to the Pharmaceutist.

LONDON, N.W.—Part-time Assistant; comfortable home, board, lodging, time for study, and fair salary offered to gentlemanly young man about 20. Apply, with full particulars, W. C. Tucker, Pharmacist, P.O., Queen's Crescent, N.W.

LONDON, N.W.—Wanted immediately, Assistant (ineligible), chiefly for Dispensing, with some knowledge of Retail. Apply, with usual particulars (salary required, etc.), to "Statim" (35/38), Office of this Paper.

LONDON, N.W.—Assistant, unqualified, male or female (if the former, must be ineligible for Army), for good-class Retail and Dispensing business; liberal salary. Apply, Walton & Curtis, Ltd., 190 Broadhurst Gardens.

LONDON, N.W.—Assistant, qualified, male or female (if the former, must be ineligible for Army), for good-class Retail and Dispensing business; liberal salary. Apply, Walton & Curtis, Ltd., 190 Broadhurst Gardens.

LONDON, S.E.—Competent Assistant, over military age, able to take charge during principal's absence at military hospital; easy hours; suburban Retail, with Sight-testing; salary and commission. State full particulars and when at liberty, E. G. Price, Lewisham Military Hospital.

LONDON, S.W.—Wanted, in large West-End establishment, Assistants for Front Counter, male or female. Write, giving full particulars of past experience, to "L. J.," 145 Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Required, Dispenser, male or female; Minor qualifications; hours of work approximately 8.45 to 6.30, Saturdays 1 o'clock; no Sunday duty. Write, giving full particulars of past experience, to "L. J.," 146, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Junior Assistant; indoors; ineligible; must be a neat and accurate Dispenser and accustomed to good-class business. Apply, stating salary and usual particulars, to J. Selley, 202 Earl's Court Road, South Kensington, S.W.

LONDON, S.W.—Wanted at once, Assistant with good experience for Dispensing Counter; no N.H.I. Personal application preferred, or full particulars to Manager, Drug Department, Francis & Son, Ltd., 448 Brixton Road, S.W

LONDON, S.W.—At once, man with knowledge of Drugs and Patents as Stockkeeper. Personal application preferred, or full particulars to Manager, Drug Department, Francis & Son, Ltd., 448 Brixton Road, S.W.

LONDON, S.W.—Qualified Manager for small single-handed Branch; ineligible; live on premises. "Velox" (35/13), Office of this Paper.

LONDON, W.—Required, an Assistant (lady or gentleman) for good-class Dispensing business; no N.H.I. work. Please state full particulars, age, experience, and salary required (outdoors) to W. A. Weston, 8 Sandringham Parade, Ealing.

MANCHESTER.—Manager required for Branch; qualified and reliable; good references required. Send details to "Gentian," c/o Quilliam & Co., Victoria Bridge, Manchester.

MANCHESTER.—Qualified Assistant (ineligible) for first-class brisk Retail; short hours. Address full particulars, Westmacott & Son, 17 Market Street, Manchester.

MANCHESTER Suburb.—Wanted at once, either unqualified or qualified Assistant for managing a Branch business; married preferred, as house provided on same premises; very pleasant district; a comfortable permanency if suitable. Apply, "Pharmacist," c/o Thos. Tomlinson & Son, 45a Market Street, Manchester.

NANTWICH.—Good Assistant required for pleasant Country business; reasonable hours; ineligible for Army; unqualified; permanency for suitable gentleman. State full particulars in first letter, and enclose photo (outdoors), Young, Chemist, Nantwich.

NEAR MANCHESTER.—Wanted, qualified Assistant for quick Cash business, must be smart, a willing worker, and good Salesman. Address, with full particulars, age, references, and photo, 32/8, Office of this Paper.

NORTH WALES.—Assistant wanted in Dispensing and Photographic business. Apply, giving full particulars, to 38/14, Office of this Paper.

READING.—Junior Assistant; ineligible for Army; outdoors; or lady. Usual particulars to B. H. Butler, Pharmacist, 195 London Road, Reading.

SOUTHEND District.—Wanted, qualified man over military age to take charge of Branch; would suit one not strong, but energetic; highest references required. "Statim" (37/1), Office of this Paper.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SURREY.—Qualified Assistant wanted; ineligible; outdoors; one used to good-class Dispensing business; send photo (if convenient), and state salary required; also wanted, Junior (exempt from military service). Full particulars, to 35/33, Office of this Paper.

THE County of Middlesex War Hospital, Napsbury, St. Albans.—Assistant Dispenser wanted, qualified woman. Applications to the Administrator.

WEYBRIDGE.—Reliable Assistant, outdoors, for good-class Dispensing business; ineligible for Army. Send full particulars as to age, height, references, and salary required, also enclose photo, E. T. Neathercoat, Pharmaceutical Chemist, Weybridge, Surrey.

A COMPETENT Assistant required for a good-class Light Retail and Dispensing business in healthy locality near London; lady, or ineligible gentleman; suitable berth for man invalided out of service; outdoors. State full particulars and salary required to "Pharmacy" (208/33), Office of this Paper.

ASSISTANT, not eligible, able to Dispense. Full particulars to Durbin's Drug Stores, 112 North End, Croydon.

ASSISTANT (ineligible) wanted for Dispensing and Retail business; hours 8.30 to 8.30. State salary required, Jordan Bros., 50 High Street, Grays.

ASSISTANT wanted, male or female; one used to first-class Dispensing and Retail; qualified or unqualified, former preferred; outdoors. Apply, stating full particulars, Balkwill & Co., 106 Old Town Street, Plymouth.

ASSISTANT required for Dispensing and Counter; one with West-End experience preferred. Apply, The Manager, Heppell & Co., 26 Piccadilly.

ASSISTANT; ineligible; outdoors; good salary to a competent man. Owen, 260 Upper Tooting Road, S.W.

ASSISTANT wanted at once; experienced General Retail; ineligible for Army; outdoors. State full particulars, age, etc., and salary required, W. Edes Everett, Ltd., 34 St. Botolph Street, Colchester.

ASSISTANT, qualified, male or female; married preferred; if the former must be ineligible. Full particulars to H. Wilson, Randall & Son, Ltd., 146 High Street, Southampton.

ASSISTANT, over 41 years of age, for Dispensing business, Locum or otherwise; easy hours. State age, salary required, when disengaged, names of two last employers, and time with each. 35/1, Office of this Paper.

CHEMIST.—Wanted immediately, qualified Branch Manager; good references as to character and ability. Salary required, when at liberty, Milburn's Ltd., 95 Northumberland Street, Newcastle-on-Tyne.

CHEMIST and Dentist, doing all Mechanical work on premises, has vacancy for Assistant. Please state full particulars, age, experience, where obtained, ability in Pharmacy and Dentistry (if any), if married what family, class of business used to; salary required, when disengaged, references, photo, Foster, Ivydale, London Road, Portsmouth.

DISPENSER wanted for Surgery, morning and evening. Apply, stating age and experience, to Dr. A. D. Lewis, 15 Stamford Hill, London, N.

DISPENSER wanted (outdoors) in a City business; hours 9 to 6.30; half Saturday; no Sunday duty; £3 5s. weekly. R. H. Cooper & Co., 20 Royal Exchange, E.C.

ELDERLY, qualified gentleman required at once, London, West End; light hours; easy berth; outdoors. Apply, 34/20, Office of this Paper.

EVENING Assistant required; N.H.I. Dispensing and Counter work. S. Long, Chemist, 506 High Road, Tottenham, N.

GENTLEMANLY Assistant; accustomed to first-class Dispensing business; ineligible. Please state age, height, experience, and salary required, to Treharne Howell, Newport, Mon.

GOOD unqualified Assistant required. Apply, with full particulars, to Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

JUNIOR Assistant or Improver wanted at once; must have some knowledge of Prescriptions; short hours and no Sunday duty; outdoors. Apply, stating salary, to "Calumba," c/o Streets, 30 Cornhill, E.C.

LADY Dispenser; Medical Practice, London, S.W.; 30s. (outdoors); must be experienced. Apply, 35/17, Office of this Paper.

LADY with some Dispensing experience for Chemist's shop; opportunity for learning high-class Dispensing; easy hours; good salary; healthy town. State age, salary required, when disengaged, name of last employer or references. 35/100, Office of this Paper.

LADY Dispenser wanted (outdoors) in a City business; hours 9 to 6.30; half Saturday; no Sunday duty; £2 10s. to competent person. Apply, 38/27, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy house; good and progressive salary, with excellent prospects.

PHARMACEUTICAL Chemist and qualified Optician has a vacancy for Junior or Improver; must be exempt from military service; or would take well-educated youth as Apprentice; outdoors; generous terms to suitable applicant; best-class trade. H. A. Hobbs, Penarth, S. Wales.

QUALIFIED Locum wanted for four weeks; urgent. Apply personally to Goosey & Rogers, Chemists, 51 Ben Jonson Road, Stepney, E.

QUALIFIED Dispenser required in London establishment; hours 8.45 a.m. to 6.30 p.m., Saturdays 1 p.m.; no night or Sunday duty. Apply, stating age, experience, and salary required, outdoors, to "Nux," c/o Streets, 30 Cornhill, E.C.

QUALIFIED Manager required for a well-established and progressive business; must be about 42 and have had good all-round experience; good agreement offered to the right man. "L." (33/281), Office of this Paper.

QUALIFIED Chemist, ineligible for military service, required to manage middle-class Cash business and Insurance Dispensing. Experience, age, and salary required, must be stated in first letter to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

QUALIFIED Superintendent to take active part in management of small limited company doing good-class Family trade; country town near London; salary £3; hours light; Photographic knowledge essential. 34/22, Office of this Paper.

QUALIFIED Assistant required (ineligible), to assist owner of old-established business in N.W. London; unique opportunity for a good man, especially so if desiring a permanency or wishing to purchase. Write fully, in strict confidence, to 37/10, Office of this Paper.

QUALIFIED Assistant for West-End Dispensing business; good salary. J. R. Walker, 36 New Cavendish Street, W.

REYNOLDS & BRANSON, LTD., Leeds, require a Junior Assistant for Retail and Dispensing Department; must be ineligible for military service. State age, height, experience, and salary required.

UNQUALIFIED Assistant; must have been rejected by Army; comfortable permanency for capable man. State age, experience, and salary required, "U." (33/280), Office of this Paper.

UNQUALIFIED Assistants required for the Retail Counter; personal application preferred; good salary and commission. Apply, Record Office, Selfridge & Co., Ltd., Oxford Street.

UNQUALIFIED Assistant for Retail, Photographic, and Dispensing business; moderate hours; half-day weekly; two hours alternate Sunday duty; good salary; lady with short experience not objected to; outdoors. Timmis, 91 High Street, Beckenham.

WANTED at once, reliable Assistant; outdoors; unqualified; lady or gentleman; easy hours, and no extra or holiday duties. State age, height, experience, and salary required, to Taylors' (Northern) Ltd., 4 Crown Street, Halifax.

WANTED, a qualified (Minor) lady as Assistant in a large Drug Stores, one not afraid of hard work, to do Insurance Dispensing and make Pharmaceutical Preparations. Applications, with salary required, and usual particulars, to be addressed to Manager, Drug Dept., Co-operative Society, Barnsley.

WANTED, qualified Assistant (ineligible for Army); must have good references. L. Thompson, Hendon Road, Sunderland.

WANTED, Dispenser-Bookkeeper for Mixed Practice; male. State age, salary, to Dr. Garrett, Eastleigh.

WANTED at once, Evening Help (Wednesday excepted), from 5.30 to 9, Saturday till 10, for Dispensing and Counter business. State full particulars and salary required to Pelham Young, Pharmacist, Hounslow. Telephone 153 Hounslow.

WANTED, qualified Assistant for Retail, Prescribing, and Dispensing; permanency; short hours; preference given to abstainer. Apply, with full particulars, to H. Clarke, 11 Market Place, Whitehaven.

WANTED, for business near London, a qualified man for a few hours daily; duties extremely light; suit elderly retired man; must have good references. "Veterinary" (36/35), Office of this Paper.

WANTED at once, qualified lady or gentleman to take charge of good Family business; N.H.I. Dispensing; easy hours; comfortable berth. Apply, stating age, experience, and salary required, Doo, Halesowen Road, Netherton, near Dudley.

WANTED, reliable Junior or Improver for the Drug Department; ineligible; Counter, Dispensing, Stock; reasonable hours, Tuesdays 11.30. Full particulars, references, and salary required, to Secretary, Morley Industrial Co-operative Society, Ltd., Morley, Yorks.

WANTED, a smart Assistant; ineligible for the Army; married, to live on the premises; used to good-class Country business; with knowledge of Photography; must have satisfactory references. With full particulars, age, and salary required, apply, Raimes & Co., York.

WANTED, capable Manager for brisk Retail, with Prescribing and Light Dispensing, in country town; good experience essential; view to succession entertained. Full particulars in first instance to "Statim" (37/4), Office of this Paper.

WANTED, Junior Assistant, unqualified, ineligible, staff of three, for first-class West-End Dispensing. Apply by letter, stating salary (outdoors) required, enclosing photo and giving height, "W." (38/11), Office of this Paper

YOUNG lady required as Junior Assistant in Public Dispensary, and to give occasional assistance in clerical work; experience of Dispensing necessary, but qualification is not essential; light duties; short hours; half-holiday weekly; no Sunday duty. Applications should state salary required, with full particulars as to experience, and copies only of testimonials, and must be sent not later than May 10 to the Secretary, Royal Victoria Dispensary, Northampton.

WHOLESALE.

BRISTOL.—Old-established well-known firm of Manufacturing Chemists, where business has been neglected, require the services of ineligible young practical man who would make up Goods and Travel; no Dispensing; partnership entertained; small capital; good opportunity to acquire established business in few years. Webb, Fardon, Redcliffe Street, Bristol.

EDINBURGH.—Drug Traveller; during the war; ineligible for military service. 206/42, Office of this Paper.

GLASGOW.—Drug Traveller; over military age or exempt; temporary during the war. 206/422, Office of this Paper.

N. WALES.—Drug Traveller; during the war only; must be exempt from military service. 206/420, Office of this Paper.

S. WALES.—Drug Traveller; for period of the war; one not liable to be called upon for military service. 206/421, Office of this Paper.

A BRAINY Junior wanted at once, with initiative and ideas of his own, who could organise, for an established concern, small Tablet-making Department, and work it up; progressive, permanent position for the right man. Write fully, stating age, salary required, complete particulars of experience, and when able to commence, to Secretary, 64 Stamford Street, London, S.E.

ASSISTANT, experienced (militarily ineligible), required in the Buying Department of a firm of London Wholesale Druggists. Apply, stating experience and salary required, to 209/21, Office of this Paper.

CHEMICALS.—Assistant wanted by a large Wholesale Chemical house, for executing orders (weighing and bottling chemicals, etc.); permanent situation, and good wages, with prospect of advancement. Write, stating age, previous experience, and wages required, 208/31, Office of this Paper.

DRY Counter Assistant wanted; must be ineligible and have had previous Wholesale experience. Apply, with full particulars, H. Wilson, Randall & Son, Ltd., 146 High Street, Southampton.

EXPERIENCED Warehouseman, non-military age, wanted in Wholesale Drug house. Full particulars as to previous employment and salary asked, "Merton" (27/230), Office of this Paper.

LABORATORY Assistant; must be ineligible and have had previous experience. Apply, with full particulars, H. Wilson, Randall & Son, Ltd., 146 High Street, Southampton.

MAN, experienced, wanted in Drug trade; should have knowledge of Patents and Proprietaries; to execute orders received through the post. Write, stating wages required, and past experience, to "L. J.," 147, Sells' Advertising Offices, Fleet Street, E.C.

MEN required by Wholesale house for Wet Counter and general Warehouse work; must not be eligible for military service. Apply, Stevenson & Howell, Ltd., 95 Southwark Street, S.E.

ORDER Checker; must have thorough knowledge of Patents and Sundries; permanency to suitable man. Apply, stating experience and wages required, at once, 34/26, Office of this Paper.

PERFUMERY Buyer; ineligible; a man with originality for own preparations essential; must be thoroughly experienced and used to first-class trade. Apply by letter in first instance, to P.M.O., Harrod's, Ltd., Brompton Road.

PILL and Tablet Department.—Experienced man to take charge of Packing and Editing (not Manufacturing). State age, experience, and salary required, 207/70, Office of this Paper.

PILLMAKER required, non-military age; one accustomed to machinery; must be reliable and thoroughly experienced. State previous employment and wages required, "Rustat" (27/23), Office of this Paper.

QUALIFIED.—A firm of Manufacturing Chemists have vacancies in their Office and Showrooms for qualified Chemists; ineligible young Assistants, or lady Pharmacists preferred. Apply by letter, enclosing photograph (to be returned), stating salary required, and past experience, to 209/28, Office of this Paper.

R. W. GREEFF & CO., Thames House, Queen Street Place, E.C., have a vacancy for Invoice Clerk, free from military service. Write, stating age, experience, and salary required.

REPRESENTATIVE calling on London Wholesale and Shipping trades for Tooth-powders and Toilet Preparations; on commission basis and bonus. Levers, Elver Works, Moreton Street, Manchester.

REPRESENTATIVES wanted, calling on Chemists and Stores, for Lancashire, Yorkshire, Western Counties, etc., for Face-creams and Shampoos; splendid selling lines; commission only. State full particulars to "M." (38/26), Office of this Paper.

SALESMAN.—For South Coast and Southern Counties (ineligible for service), first-class man only, personally acquainted with all Buyers, full knowledge Perfumery and Toilet Goods, well-known and old-established house. State full particulars, age, experience and salary, in confidence, to 200/64, Office of this Paper.

SOAP Foreman.—Required, a man fully experienced in the Manufacture and Production of Toilet Soaps; capable of taking control; ineligible for military service. Reply, in confidence, with full particulars as to age, experience, and salary required, to 208/170, Office of this Paper.

SURGICAL Dressings and Druggists' Sundries.—Representative (ineligible) wanted, with live connection, for South and South-East England. The Galen Manufacturing Co., Ltd., Wilson Street, New Cross, S.E.

TABLETS.—Chemist with first-class experience in the manufacture of Compressed Tablets required for an important position with a first-class firm; must be accurate, have technical aptitude, and be energetic; good salary and permanent position. Apply, 35/40, Office of this Paper.

TRAVELLING Saleswoman required, with knowledge of Toilet and Manicure Goods, to call on Chemists, Perfumers, in Provinces; first-class opening with old-established house. State full particulars, age, salary, to 200/640, Office of this Paper.

TWO Packers for Export and Home trade; must be experienced. Apply, Potter & Clarke, Ltd., Artillery Lane, E.

WANTED, competent Manager, ineligible, to take charge Wholesale House, near Manchester, dealers in crude Drugs, Essential Oils, Essences, etc. Apply, 32/9, Office of this Paper.

WANTED, by a London Wholesale firm, a good Packer; ineligible; good wages to competent man. State experience, 34/31, Office of this Paper.

WANTED, man, at once; able to take charge of office staff; sound knowledge of trade; ineligible. Apply, stating wages and full particulars, to 34/260, Office of this Paper.

WANTED, lady Clerk in a Manufacturing Perfumer's; good and neat writer, with knowledge of Bookkeeping; must be well educated, and good at figures. Apply, with full particulars, with age and salary required, to 208/17, Office of this Paper.

WAREHOUSEMAN, accustomed to the Chemical trade, wanted by large firm in London; must be beyond military age, say 45-50; must have good record and first-class references; progressive position; hours 9 to 6; commencing salary 35s. per week, and bonus. Write, stating situations held, and period of each, to "Warehouseman" (205/8), Office of this Paper.

WOMAN Packer wanted, accustomed to putting up Chemist's stock, and despatching goods by post. Apply, "A. J. B. C.," Cooper, Son & Co., Ltd., 80 Gloucester Road, South Kensington, S.W.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

SUDAN GOVERNMENT MEDICAL DEPARTMENT.—Wanted, for Khartoum, Assistant Storekeeper-Clerk; unmarried; ineligible for Army; knowledge of Drugs and Surgical Instruments desirable, but not essential; salary £220 per annum; 2nd class passage out; 12 months' agreement. Apply, by letter, to Egyptian Government Offices, Queen Anne's Chambers, Broadway, Westminster, S.W.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]
RETAIL.

ADVERTISER, thoroughly experienced and reliable, desires permanency as Assistant or Branch Manager; unqualified; married, no family. "H. T.," 38 Clevedon Road, Norbiton.

AS Dispenser (Hospital or Infirmary); qualified. "Acetyl," 4 Bamborough Gardens, Shepherd's Bush.

ASSISTANT or Branch Manager; unqualified; thoroughly experienced, Provincial and West End; reliable; permanency desired, London; small interest, succession, or otherwise; married. State terms, 34/27, Office of this Paper.

ASSISTANT, unqualified, young, married, desires permanency; small town or country preferred; 5 ft. 10 in.; Window-dresser and Salesman; 3 years' N.H.I. Dispensing. Letters to Cartwright, 6 Lewes Road, Brighton.

ASSISTANT, unqualified, seeks situation; over military age; good all-round experience; permanency desired; London preferred; disengaged. "Rhei," 18 Victoria Road, Holloway, N.

BRIGHTON.—Lady Assistant (Hall) desires post with Chemist (Brighton); thoroughly experienced in Dispensing, Retail, Photography; good references. Hickie, 47 Buckingham Road, Brighton.

DISPENSER desires employment two hours morning or evening. "E. H.," 116 Gaskarth Road, Balham, S.W.

DISPENSER, Bookkeeper, Extractor; good references. "Epsilon," 28 Park Grove, West Ham.

DISPENSER (lady) requires post as temporary Assistant; unqualified. 38/32, Office of this Paper.

DISPENSING.—Medical student (exam. Pharmacy, Royal College of Physicians and Surgeons) wants to do some Dispensing and Laboratory work for the evenings; private dispensary of Doctor preferred. "M.," c/o Smith's Library, 169 Finchley Road, N.W.

EASTBOURNE District.—Competent unqualified Assistant (ineligible) of highest experience, including Dispensing, Dentistry, Photography; shortly disengaged; Locum entertained. "Delta," 31 Kylstone Road, Eastbourne.

EVENINGS, Saturdays after 2 p.m., Sundays alternate; qualified. "Pharmacist," 5 Claverton Street, S.W.

EXPERIENCED Pharmacist requires situation as Manager or Senior Assistant; excellent references. Reply to 33/26, Office of this Paper.

EXPERIENCED, qualified, aged 38 (ineligible), as Manager; partnership or succession entertained, or will do Locum work; good references; disengaged; London preferred. "Richmond" (36/31), Office of this Paper.

HOSPITAL Dispenser; 27; qualified; excellent experience; holds exemption certificate; permanent appointment desired. 36/33, Office of this Paper.

JUNIOR (18), matriculated, three years' experience, ineligible, requires evenings' and Saturday afternoon occupation; accustomed to Dispensing, Photography, and Optics; Burnley district. "Medicus," 53 Evelyn Street, Burnley.

LADY desires post in Newcastle or district as Shorthand-Typist and Bookkeeper, 3 years' experience to medical man; can assist in Dispensing. 34/17, Office of this Paper.

LADY, unqualified, as Assistant; capable putting up Stock; experienced. E. Smith, 55 George Street, Portman Square, W.

LADY Dispenser; Birmingham; willing to learn Counter work; disengaged. Durose, "Highway," Smethwick.

LADY Dispenser (qualified) desires post in London or N.W. district; good testimonials. 36/35, Office of this Paper.

LADY Dispenser and Bookkeeper desires post with Doctor; two years' experience; live out. Write, stating salary and Surgery hours, 36/24, Office of this Paper.

LADY Dispenser (Hall qualification); experienced; Hospital or private practice; London or Suburbs. 35/25, Office of this Paper.

LADY Dispenser (Hall) is free to take Locums during summer months, in or near London; no Chemists. 38/28, Office of this Paper.

LOCUM; qualified; 25; thoroughly experienced; London district only; free now. 35/21, Office of this Paper.

LOCUM, Manager, Representative; 45; qualified; fine experience and references. "Aspirin" (36/29), Office of this Paper.

LOCUM; 53; unregistered; not Photographic experience; good Prescriber and Counterman; abstainer; references. "Push," 73 St. Andrew's, Uxbridge.

LOCUM Tenens.—Qualified Dispenser desires engagement for first two weeks in July; thoroughly experienced in good-class Pharmacy; salary 50s. per week and fare from London; South Coast preferred. "Xylol," 29 Airthrie Road, Goodmayes, Essex.

LOCUM; disengaged from May 5; well recommended. Andrew, 5 Pearson Street, Cardiff.

LOCUM; North Wales or Liverpool district; ineligible; Optics and Photography. 26/13, Office of this Paper.

LOCUM; 51; capable, experienced, and abstainer; disengaged May 9. Sorby, c/o Hirst, Chemist, Slaithwaite, Yorks.

LONDON.—Unqualified; ineligible; Front Counter, Dispensing; state salary; long hours and Sunday duty "not entertained." "Hodie," 10 Alfearn Road, Clapton, London, N.E.

MANAGER or Locum; qualified, experienced, reliable; good references. 12 Bersham Road, Wrexham.

MANAGER; qualified; ineligible; large experience; all classes of business; town or country; good business man; disengaged. 34/2, Office of this Paper.

MANAGER; 34; married; Optic and Photo experience; good references; rejected; South Wales or Midlands. 33/32, Office of this Paper.

MANAGER; qualified; highest credentials; ineligible; view to succession; varied experience; reliable. "Veritas" (32/11), Office of this Paper.

MANAGER or Locum; 45; outdoors; thoroughly competent; qualified; disengaged May 15. "Chemist," 9 Torr Street, Buxton.

MANAGER; qualified; disengaged; used to large Store trade; experienced Buyer; 47. Please state salary offered, "Chemist," 7 Spartinfield Avenue, Rochdale.

MANAGER; married; 46; active; all-round experience; successful personality. 35/39, Office of this Paper.

MANAGERSHIP or Partnership; qualified; London, country; abstainer; whole, part time. 34/7, Office of this Paper.

PART-TIME or Locum; qualified; ineligible; London only. 34/25, Office of this Paper.

PHARMACIST, 42, desires situation Liverpool neighbourhood; moderate salary; good experience; at liberty. 36/20, Office of this Paper.

PHARMACIST; elderly; single; best experience; reasonable hours; moderate salary; London. 35/20, Office of this Paper.

QUALIFIED; 24; 7 years' good experience; ineligible. 33/31, Office of this Paper.

QUALIFIED; 33; experienced; Hospital or any capacity; disengaged; exempt from service for few months. "A.," 70 Clancarty Road, Fulham, S.W.

QUALIFIED; 28; married; Store and Retail experience; seven years' Management; Agricultural, Veterinary, and Photography; disengaged. State useful particulars, 33 Wake Road, Sheffield.

QUALIFIED, age 49, desires post as Manager or Senior in good-class business; first-class experience in all branches; free about first week in June. 35/19, Office of this Paper.

QUALIFIED; all-round experience; permanency wanted; branch or Manager; good Prescriber. 35/6, Office of this Paper.

QUALIFIED Manager, Locum; 38; tall; every experience, all departments; disengaged May 25. 35/4, Office of this Paper.

QUALIFIED, in want of situation as Manager or Branch; open to engagement after April 29; well experienced. 28/35, Office of this Paper.

QUALIFIED Chemist, married, shortly retiring from business, open to accept responsible position with good firm or Institution; West End and Suburban experience. 38/23, Office of this Paper.

RELIEF, half-a-day a week and every other Sunday evening; years of experience; best of references. 24/27, Office of this Paper.

RETIRED Pharmaceutical Chemist (45) will undertake supervision quiet Country business; small remuneration. Roberts, 21 Park Road, Gloucester.

STUDENT (23), qualified, requires Locum; day work; ineligible; City preferred; references. "Statim," 27 Atherfold Road, Stockwell.

UNQUALIFIED, ineligible, requires evening work; willing, obliging. "Disengaged," 106 Liverpool Road, Islington.

UNQUALIFIED, ineligible, age 36, married, 15 years' experience as Manager and Proprietor, Dispensing, Photographic, good Window-dresser and Salesman, wants permanency; free end of May. 37/80, Office of this Paper.

UNQUALIFIED, 35, married, ineligible, seeks Managership or responsible position in London; exceptional experience; expert Counterman and Window-dresser. "P." (36/15), Office of this Paper.

UNQUALIFIED; good Counterman; ineligible; morning and evening; no Dispensing. "Energy," 106 Burlington Road, New Malden.

YOUNG lady, married, experienced Bookkeeper, requires post; husband enlisted. Particulars apply, 35/28, Office of this Paper.

WHOLESALE.

ADVERTISER, 46, seeks post as Warehouse Manager; long and exceptional London Wholesale experience; good organiser; accustomed to control of staff; qualified. "Salol" (34/19), Office of this Paper.

FOREMAN of Finishing Floor or Overseer Packer; able to engage and control staff economically. 25/8, Office of this Paper.

FOREWOMAN or Superintendent; 10 years' experience in charge Works Laboratory. "L. T.," 10 New Street, Kennington Park Road, S.E.

PHARMACEUTICAL, Toilet, Perfumery, and Essence Maker.—Thorough practical man (27), ineligible, 12 years' experience, desires permanency; London preferred. 38/34, Office of this Paper.

RETIRED Pharmaceutical Chemist desires situation as Representative for good house; age 47. 36/34, Office of this Paper.

TRAVELLER, with a large sound connection amongst Chemists, Southern and Eastern Counties, requires a good Side-line on commission; ineligible. Herbert, 70 Stormont Road, Clapham Common, London.

TRAVELLER, ineligible, experienced, and with live connection amongst the Chemists and Store Buyers in London and district, is open to Represent a first-class house with good Proprietary lines, in conjunction with present house (Soaps and Perfumes); part salary and commission. Apply, 34/29, Office of this Paper.

TRAVELLER; 24 years' experience; large connection, North, East, South, West; best houses only; would accept good commission. 32/22, Office of this Paper.

TRAVELLER, Proprietary or Packed Goods, 15 years present position, desires change; thorough knowledge trade; London, provinces, Scotland, etc.; excellent references. 27/39, Office of this Paper.

TRAVELLER, qualified Chemist, requires re-engagement; experienced, energetic, successful; excellent selling record and connection with chemists, stores, institutions, and general; intimate knowledge drug, sundries, essence, disinfectant, etc., trades; first-class references; ineligible Army; disengaged. 209/14, Office of this Paper.

WELL-KNOWN retired Traveller, contemplating return to the road, desires Represent first-class House, calling on Chemists, Midlands, Eastern or Home Counties. 35/22, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

AUSTRALIA and New Zealand.—Experienced Traveller (ineligible), shortly visiting all principal towns, desires one or two additional Agencies, or offers services to act as direct Representative to firms of standing, on commission basis; highest credentials. 34/33, Office of this Paper.

BRITISH Pharmacist, at present abroad, offers his services to any firm requiring a reliable man to look after their interests abroad; over 20 years' Retail and Manufacturing experience; intimately acquainted with Perfumery requirements in the Far East. Address, 10/27, Office of this Paper.

MISCELLANEOUS.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

COMPLETE SET OF SHOPFITTINGS (Second-hand).—12-ft. Drug Fitting, Glass Labels and Knobs, Lockers and Shelving; 12-ft. Mahogany Top Counter; Desk and Case; 5-ft. Wall Case; Bent Counter Case; 6-ft. Dispensing Screen and Counter; suit any shop; £42 10s. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

WANTED, OFFERS for
7,000 ounces Sulphate of Quinine.
3,500 ounces Hydrochloride of Quinine.
1,000 ounces Aspirin.
Also for a quantity of genuine JÜLICH'S PLATZ & MÜHLEN'S EAU DE COLOGNE.
SCOTT, 38 RUE DU MONT THABOR, PARIS.

NOT one Chemist in each town, **BUT** every Chemist in every town should become a subscriber for **"THE STANDARD RETAIL PRICE LIST."** It includes most of the war-affected articles, and shows:
1st. The current cost.
2nd. The suggested retail price for 3i, 3ii, 3iv, 3viii, 1 oz., 2 oz., 4 oz., 8 oz., 16 oz., and, in some instances, grains.
3rd. The percentage of profit derived at these prices, according to the systems of the "Pricing Guides."
Specimen copy, post free, 6d., from
CHARLES PHILIP, Chemist, HERNE BAY.

A MAIL ORDER BUSINESS
Can be started with quite moderate capital, and if conducted with ordinary ability may produce a very large return. Any Chemist or Business Firm who is looking for a promising "mail order" opening should communicate with Mr. F. E. COE, of 144 Albany Street, Regent's Park, N.W., the well-known mail order expert and advertising consultant.
Initial Consultation Free

8/6 3 Years 4 Columns
Jay Mack's Ledger
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MACK-IVOR, Hightown P.O., Crewe. | AYRTONS, BLEASDALES, EVANS, RAIMES (Edinb.).

Pharmaceutical Council Election.

TWENTY-EIGHT LOCAL ASSOCIATIONS

have officially adopted and are supporting

J. W. DEAKIN

and

HERBERT SKINNER

in their policy of better organisation and efficiency in meeting the present needs of Pharmacy.

You can do your bit by NOT crossing out on the Voting Papers Numbers 3 and 9.

PHARMACEUTICAL COUNCIL ELECTION, 1916.

To the Members of the Pharmaceutical Society of Great Britain.

The Council, Officers and Members of the

LIVERPOOL CHEMISTS' ASSOCIATION

HAVING AGAIN NOMINATED

Mr. L. MORETON PARRY

as Candidate for the coming Election, urgently ask your vote and personal support on his behalf.

Mr. Parry's record of work during the past three years fully justifies the confidence placed in him, and promises even more valuable service in the future.

D. H. EVANS, Hon. Sec.

WAR WANTS EXCHANGE.

For the terms upon which announcements are inserted herein see Supplement for April 29, p. xxxvi.

WANTED.

Acid. hydrobrom. (36/9)
Eugallol (35/8)
Famel's syrup (35/8)
Gelineau's dragees (35/8)
Kleewin Marienbad pills (35/8)
Oxalic acid (209/24)
Pertussin (35/8)
Pot. bromid. (36/9)
Pot. permang. (209/24)
Quinine (36/9)
Sodium sozoiodol (35/8)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Bismuth carb. (B. W. & Co.), 7-lb. parcel (209/25)
Guaiacol carb. (Evans'), 4 oz. (209/25)
Metol (Hauff.), 4 oz. (209/25)
Phenazonum (36/9)
Pot. brom., 7-lb. tin, mixed with 5 per cent. sod. brom. (209/25)
Quin. sulph., 50 oz., whole or part (209/25)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6*d*.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

KELLY'S "Chemists' and Druggists' Directory," 1908, 8*s*.; Thompson's "London Dispensatory," 1837, good condition, what offers quantity standard medical works removed from doctor's library, very nominal prices, list supplied. Kemp, Druggist, Horncastle.

DRUGS AND CHEMICALS.

8 oz. phenazone; best offer, or exchange cash till in good condition. 33/27, Office of this Paper.

SALICYLIC acid, B.P. and technical, wanted quotations for prompt and forward deliveries in quantities. Particulars, etc., 19/10, Office of this Paper.

FOR sale, 3 oz. butyl chloral hyd., ʒijss. cocain. hyd., ʒij. morph. pur., 2 oz. brucine, 1 oz. sulphonal, 2 oz. thio-carbamide, 4 oz. ethyl iodid.; or will exchange patents. Mason, Norfolk Street, Cambridge.

PROPRIETARY ARTICLES.

OVOLEO emulsion, quantity 1*s*. 3*d*., 2*s*. 9*d*., 5*s*., at half face value. Dyson's, Prudhoe-on-Tyne.

MISCELLANEOUS.

QUARTO copying press, brass mounted on good birch stand, two drawers, lot 25*s*.; excellent portable copying press for travelling, etc., 6*s*. Kemp, Druggist, Horncastle.

ANALYTICAL balance, scarcely used, by Stevens & Son, to weigh 100 grm., in glass lantern; 1 set metric weights, 50 gr., 1 set milgrm. weights, in box, nickel-plated. Walter Crosbie, "Kenilworth," Willenhall, New Barnet.

AIR-BED, 6 ft. by 3 ft.; Scottish Rubber Co.; practically new; cost £7; in use only a few days; also optical trial case, mounted lenses, in polished walnut case; cost £6 10*s*.; as good as new; what offers? "Pharmacist," 46 Prospect Avenue, Darwen.

40-gall. syrup or oil tank, cylindrical, sound, clean, 20*s*.; 20-gall. very strong iron drum, 10*s*.; 7 4-gall. stone spirit jars, 1*s*. each; 100 Italian military water-bottles, white wood, screw stoppers, pint size, clean, unused, watertight, unique for cordials, etc., clear 3*s*. 6*d*. dozen; sample flask free parcel post 8*d*. Kemp, Druggist, Horncastle.

WANTED.

KODAK vertical developing tanks. 36/32, Office of this Paper.

SUPPOSITORY mould, 60 gr.; good condition. Starmer, Chemist, North Finchley.

36 20-oz. narrow-mouthed shop-rounds; 36 10-oz. ditto. 202/18, Office of this Paper.

WANTED, surplus fancy labels and cartons for packing business. Marston, Chemist, Walthamstow.

A few bottles of Carlsbad Sprudel salt. Price to J. E. Southon, Chemist, Leadenhall Street, London.

GLYCERIN (non-restricted). State price and quantity, Lind, Ltd., Chemists, 489a Oxford Street, London, W.

TOOTH-POWDER tins wanted in large quantities, various sizes. Levers, Elver Works, Moreton Street, Manchester.

ALUM, powder and lump, permanganate of potash; large quantities wanted. Levers, Elver Works, Moreton Street, Manchester.

ALUM sulphate (potash); best price and quantity, also percentage. The County Chemical Co., Ltd., Bradford Street, Birmingham.

PILL machinery wanted, all sizes, for hand or power; also tablet-making machinery. Write, "Machinery" (38/22), Office of this Paper.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*May* 6, 1916. [68]

GOLD MEDAL AND DIPLOMA, PARIS, 1900.

J. F. Macfarlan & Co.

EDINBURGH AND LONDON.

MANUFACTURERS OF

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ALL OTHER OPIUM PRODUCTS, AND ALL
:: ITS SYNTHETIC DERIVATIVES. ::

Apomorphine Muriate.	Euonymin.	Narcotine.	Veratrine.
Cotarnine (Stypticin).	Emetine.	Salicin.	Spirituous
Chrysarobin.	Gingerine.	Strychnine.	Galenicals in Bond.

Macfarlan's Pure Chloroform.

A definite Chemical Compound, answering British Pharmacopœia and all other Official Tests. The purity and excellence of Chloroform do not depend on the **sources of its preparation,** but on the **skill and care with which it is prepared.**
Is extensively used in the principal Hospitals and Infirmaries.

"Comparing 'pure,' 'Methylated,' and other Chloroforms, no evidence is afforded of any kind being safer than another."—BRIT. MED. ASSOC., Report of the Anæsthetics Committee, July 1900.

Macfarlan's Anaesthetic Ether.

(As used by the late Dr. THOMAS KEITH.)

After long trial, both in Hospital and in Private Surgical Practice, our Anæsthetic Ether has acquired special preference and repute, and is guaranteed to be unsurpassed in quality by any other made from whatever source.

MACFARLAN'S
ANTISEPTIC DRESSINGS AND APPLIANCES.

Prepared from the Special Formulæ of the late LORD LISTER, and guaranteed to contain full percentage of antiseptic substance. Since their introduction in 1871 these Dressings have continued to merit the confidence and approval of the Profession.

The best and most profitable

CEREGEN PROTEID PHOSPHATE

LYSOL "BELL" PATHONE

British Made & British Owned

JOHN BELL, HILLS & LUCAS, LTD.
Oxford Works, Tower Bridge Road, London, S.E.

DISINFECTANTS

Supplied in Fluid and Powder Form. With guarantee of Tar Acids or Co-efficiency.

LIQUID SHEEP DIP

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Chemists and Druggists may offer the above goods under their own name and brand.

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CARBONATE, CALCINED AND FLUID.

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London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 21 Mincing Lane, London, E.C.

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